Department of Defense Fiscal Year (FY) 2025 Budget Estimates

March 2024



Defense Logistics Agency

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Department of Defense FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

	FY 2023	FY 2024 PB Request with	FY 2025
Appropriation	Actuals	CR Adjustments	Request
Research, Development, Test and Evaluation, Defense-Wide	356,70	6 245,474	247,936
Total Research, Development, Test, & Evaluation	356,70	6 245,474	247,936

*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared;

account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Department of Defense FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

		FY 2024 PB	
	FY 2023	Request with	FY 2025
	Actuals	CR Adjustments	Request
Summary Recap of Budget Activities			5 g.
Advanced Technology Development	303,813	207,691	211,155
System Development & Demonstration	27,094	32,629	31,916
Management Support	11,212		
Operational Systems Development	14,587	5,154	4,865
Total Research, Development, Test, & Evaluation	356,706	245,474	247,936
Summary Recap of FYDP Programs			
Research and Development	342,119	240,320	243,071
Central Supply and Maintenance	14,587	5,154	4,865
Total Research, Development, Test, & Evaluation	356,706	245,474	247,936

*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared;

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Defense-Wide FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

		FY 2024 PB	
	FY 2023	Request with	FY 2025
	Actuals	CR Adjustments	Request
Summary Recap of Budget Activities			
Advanced Technology Development	303,813	207,691	211,155
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Defense-Wide FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

Appropriation	FY 2023 F Actuals CR	FY 2024 PB equest with Adjustments	FY 2025 Request
Defense Logistics Agency	356,706	245,474	247,936
Total Research, Development, Test and Evaluation, Defense-Wide	356,706	245,474	247,936

*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Defense-Wide FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

	Program					FY 2024 PB	
Line	Element	Ttom	Act	Soc	FY 2023	Request with	FY 2025
MO	Mulliper	<u>r cen</u>	ACC	<u></u>	Actuals	CK Adjustments	Request
56	0603680S	Manufacturing Technology Program	03	U	89,349	46,404	55,366
57	0603712S	Generic Logistics R&D Technology Demonstrations 03 U 13,389 16,580		16,580	18,543		
59	0603720S	Microelectronics Technology Development and Support 03 U 201,075 144,707		144,707	137,246		
	Advanced Technology Development				303,813	207,691	211,155
144	0605080S	Defense Agency Initiatives (DAI) - Financial System 05 U 27,094 32,629		32,629	31,916		
	System Development & Demonstration				27,094	32,629	31,916
176	0605502S	05502S Small Business Innovative Research		U	11,212		
	Management S	upport			11,212		
276	07080125	Pacific Disaster Centers	07	U	11,442	1,905	1,861
277	0708047S	Defense Property Accountability System	07	U	3,145	3,249	3,004
	Operational Systems Development				14,587	5,154	4,865
Total	Research, Dev	elopment, Test and Evaluation, Defense-Wide			356,706	245,474	247,936

*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared;

account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Defense Logistics Agency FY 2025 President's Budget Exhibit R-1 FY 2025 President's Budget Total Obligational Authority (Dollars in Thousands)

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

Tino	Program				TH 0000	FY 2024 PB	TV 0005
No	Number	Item	Act	Sec	Actuals	CR Adjustments	Request
56	0603680S	Manufacturing Technology Program	03	U	89,349	46,404	55,366
57	0603712S	Generic Logistics R&D Technology Demonstrations	03	U	13,389	13,389 16,580	
59	0603720S	Microelectronics Technology Development and Support	03	U	201,075	201,075 144,707	
	Advanced Tec	chnology Development			303,813	207,691	211,155
144	0605080S	Defense Agency Initiatives (DAI) - Financial System 05 U 27,094 32,629		31,916			
	System Development & Demonstration				27,094	32,629	31,916
176	0605502S	Small Business Innovative Research	06	U	11,212		
	Management S	Support			11,212		
276	0708012S	Pacific Disaster Centers	07	U	11,442	1,905	1,861
277	0708047S	Defense Property Accountability System	07	U	3,145	3,249	3,004
	Operational	Systems Development			14,587	5,154	4,865
Total	Defense Logis	stics Agency			356,706	245,474	247,936

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account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

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56	03	0603680S	Manufacturing Technology Program (ManTech)Volum	e 5 - 1
57	03	0603712S	Logistics Research and Development Technology (Log R&D) Volume	5 - 21
59	03	0603720S	Microelectronics Technology Development and Support (DMEA)Volume	5 - 33

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Line #	Budget Activity	Program Element Number	Program Element Title	Page
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Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activity	Program Element Number	Program Element Title	Page
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Logistics Research and Development Technology (Log R&D)	0603712S	57	03 Volume 5 - 21
Manufacturing Technology Program (ManTech)	0603680S	56	03Volume 5 - 1
Microelectronics Technology Development and Support (DMEA)	0603720S	59	03 Volume 5 - 33
Pacific Disaster Center	0708012S	276	07 Volume 5 - 53
Small Business Innovative Research (SBIR)	0605502S	176	06Volume 5 - 49

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Exhibit R-2, RDT&E Budget Iten	xhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistics Agency Date: March 2024											
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)					R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology Program (ManTech)</i>							
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	318.962	89.349	46.404	55.366	-	55.366	57.162	56.598	55.833	57.177	Continuing	Continuing
IBA: Industrial Base & Aging Weapon System Support	182.989	50.338	36.728	46.625	-	46.625	48.085	47.147	46.154	47.234	Continuing	Continuing
TDM: 3D Tech Data Modernization / Model Based Enterprise	135.973	39.011	9.676	8.741	-	8.741	9.077	9.451	9.679	9.943	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Logistics Agency (DLA) Manufacturing Technology (ManTech) Program funds the advanced technology development needed to achieve a responsive and efficient domestic industrial base that meets the warfighters' needs in an affordable and timely manner. The ManTech program works with DLA's diverse supply chains to improve manufacturing capability throughout a product's life cycle. It provides the crucial link between invention and application by maturing, scaling up, and validating advanced manufacturing technology in "real world" environments. ManTech developments provide a path to low-risk technology implementation for many small businesses and defense unique suppliers as well as depots and shipyards that are critical to DLA. By anticipating and addressing production and sustainment problems before they occur, readiness levels increase, and sustainment costs are decreased.

DLA R&D established five Lines of Effort (LOEs) in FY 2023. The ManTech R&D Program Element executes from two of the five LOEs: Industrial Base and Aging Weapon System Support; and 3D Technical Data Modernization / Model-Based Enterprise. These LOEs are closely aligned to documented and tracked priorities specified in the most current DLA Strategic Plan, that calls for Digital Business Transformation as one of three critical capabilities to achieve DLA's business goals of enhancing performance, reducing costs, and becoming more predictive and data-driven. This critical capability also seeks to transform systems and processes to improve data transparency, reliability, and security for our employees, customers, and suppliers. DLA's initiatives within this critical capability align with the National Security Strategy (NSS) by emphasizing the importance of harnessing rapid emerging technologies that will transform how we do business.

-In addition to alignment with DLA's top strategic priorities, under Section 2521 of Title 10, US Code, DLA ManTech efforts are collaborated across DOD Military Services and Agencies. As a Principal member of the Joint Defense Manufacturing Technology Panel, DLA's efforts are integrated within the Joint Defense Priorities.

-The Industrial Base and Aging Weapon System Support LOE seeks to implement innovative and proactive technology solutions to ensure a robust, reliable industrial base that provides affordable and previously hard-to-procure critical parts for DOD weapon systems. This LOE aligns to DLA Strategic Plan LOE 1: Warfighter Always, DLA LOE 2: Trusted Mission Partner, DLA LOE 4: Modernized Acquisition and Supply Chain Management, as well as the cross-cutting Critical Capability C: Digital Business Transformation through the following portfolios: DOD Subsistence Supply Chain (Subsistence Network), Castings (Procurement Readiness Optimization Advanced Casting Technology), Forgings (Procurement Readiness Optimization—Forging Advanced System Technology), Batteries (Battery Network), Additive Manufacturing (AM), Advanced Microcircuit Emulation (AME), and the Strategic Materials program was established during FY2025 PBR cycle.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistics A	gency	Date: March 2024
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	
0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3:	PE 0603680S I Manufacturing Technology Program (Mai	าTech)
Advanced Technology Development (ATD)		

-The 3D Technical Data Modernization / Model Based Enterprise LOE integrates three-dimensional technical data and knowledge-based tools to transform and streamline supply system responsiveness for DLA-managed commodities. Efforts seek to improve and facilitate the exchange of engineering and logistics information among DLA, the Military Services, DLA industry partners and DLA customers. The benefits include shorter product introduction cycles, lower set up-costs for parts production and more economical small batch production. Primarily focused on the DLA Strategic Plan Critical Capability C: Digital Business Transformation, this R&D LOE cuts across DLA Strategic Plan LOE 1: Warfighter Always, DLA LOE2: Trusted Mission Partner, and DLA LOE 4: Modernized Acquisition and Supply Chain Management through portfolios for DOD soldier and individual equipment (Military Unique Sustainment Technology ((MUST)) and Defense Logistics Information Research (DLIR), as well as out of budget cycle or Emerging Requirements (EMR).

DLA's focus for this budget cycle highlights advanced capabilities in digital and technical data modernization, data management and analytics to fulfill the DLA role in the DOD Digital Engineering Strategy and improve sharing of data with the industrial base and supported organizations. Investment explores technologies to lower the Agency's material acquisition and operation costs and improve weapons systems support. This effort spans across both DLA R&D Program Elements and R&D LOEs, impacting across the DOD Joint Defense Manufacturing Technology Panel and DLA Enterprise logistics processes.

B. Program Change Summary (\$ in Millions)	<u>FY 2023</u>	FY 2024	FY 2025 Base	FY 2025 OCO	<u>FY 2025</u>	5 Total
Previous President's Budget	92.766	46.404	50.397	-	Ę	50.397
Current President's Budget	89.349	46.404	55.366	-	Ę	55.366
Total Adjustments	-3.417	0.000	4.969	-		4.969
 Congressional General Reductions 	-	-				
 Congressional Directed Reductions 	-	-				
 Congressional Rescissions 	-	-				
 Congressional Adds 	-	-				
 Congressional Directed Transfers 	-	-				
 Reprogrammings 	-	-				
 SBIR/STTR Transfer 	-3.217	-				
 Below Threshold Reprogramming 	-0.200	-	-	-		-
 Internal Reallocation 	-	-	1.000	-		1.000
 Program Increases: Additive Manufacturing 	-	-	7.613	-		7.613
Joint Foundational Initiatives & Non-labor						
Inflation						
Program Decrease	-	-	-3.644	-		-3.644
Congressional Add Details (\$ in Millions, and Includes	ſ	FY 2023	FY 2024			
Project: IBA: Industrial Base & Aging Weapon System Su						
Congressional Add: Flake Graphite-Based Solutions f	5.000	-				
Congressional Add: Steel Performance Initiative				-	13.000	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistics A	gency [Date: March 2024	
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology Program (Man</i>	Tech)	
Congressional Add Details (\$ in Millions, and Includes General Red	uctions)	FY 2023	FY 2024
	Congressional Add Subtotals for Project: I	BA 18.000	-
Project: TDM: 3D Tech Data Modernization / Model Based Enterprise			
Congressional Add: AI based market research system		3.000	-
Congressional Add: Supply Chain Readiness Improvement Program	1	5.000	-
Congressional Add: Battery Grade Graphite		3.600	-
Congressional Add: High performance magnets		5.000	-
Congressional Add: Hypersonic radomes and apertures		5.000	-
Congressional Add: Nanostructured iron nitride permanent magnets		7.000	-
	Congressional Add Subtotals for Project: TI	DM 28.600	-
	Congressional Add Totals for all Proje	cts 46.600	-

Change Summary Explanation

FY 2025 Internal Reallocation: Industrial Base and Aging Weapon System Support (IBA) baseline was increased by \$1.000 million to address Lead-acid, NiCd replacement, Transition Solid State Technology, BATTNET initiative.

FY 2025 Program Increases: Additive Manufacturing Joint Foundational Initiative - Add funds to expand and develop the Joint Additive Manufacturing Model Exchange (JAMMEX) and expand the Joint Additive Manufacturing Acceptability (JAMA) initiative. JAMMEX expansion and development will enhance integration of additive manufacturing across DoD. JAMA expansion will create a common part qualification framework from use by the Military Services to approve more supply chain vendors and broaden the potential vendor base.

FY 2025 Program Decrease: Reduction to fund higher DoD priorities.

In FY 2025, a Strategic Materials (SM) program was formally established within IBA LOE by realigning \$500K per year FY 2025- 2029 from the Emerging Requirements (EMR) program baseline for new Strategic Materials (SM) program. (The EMR program funded emerging SM related research in the past two cycles including related to Rare Earth elements.) Due to continuing SM requirements, a modest baseline was established to continue technical research and development in this area. The SM program focus, as directed under EO14017, will be on emerging and rapidly expanding requirements to restore and stabilize strategic and critical materials supply chains that have been compromised by decreased or abandoned domestic production activities or lack of domestic reserves within the United States. Most of these requirements are in the form of research of materials and alloys and development of solutions including cost-efficient production, substitution, domestic qualification, and/or recycling.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency										Date: Marc	ch 2024	
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name)PrPE 0603680S I Manufacturing Technology PIErogram (ManTech)S				Project (Number/Name) IBA I Industrial Base & Aging Weapon System Support			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
IBA: Industrial Base & Aging Weapon System Support	182.989	50.338	36.728	46.625	-	46.625	48.085	47.147	46.154	47.234	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Industrial Base (IB) and Aging Weapon System Support Line of Effort seeks to implement innovative and proactive technology solutions to ensure a robust, reliable industrial base that provides affordable and previously hard-to-procure critical parts for DOD weapon systems through the following objectives:

1. Viable and Responsive Industrial Base: maximize Defense Industrial Base capability and capacity and improve availability, quality, and affordability to support the Warfighter.

2. Obsolescence Solutions: establish a trusted manufacturing capability for qualified microcircuits to support DOD weapon system lifecycles.

3. Advanced Manufacturing: leverage advanced manufacturing capabilities to introduce and integrate additive and advanced manufacturing concepts into the DOD supply chain.

The portfolios within the IB and Aging Weapons System Support LOE include food-service supply chain solutions (Subsistence Network), Castings (Procurement Readiness Optimization—Advanced Casting Technology), Forgings (Procurement Readiness Optimization—Forging Advanced System Technology), Batteries (Battery Network), Additive Manufacturing (AM), Advanced Microcircuit Emulation (AME) and Strategic Materials (SM).

The Subsistence Network (SUBNET) program focuses on solutions to develop and promote manufacturing improvements in the subsistence supply chain. The program's expanded areas of interest include combat rations, food equipment, field feeding solutions, food footprint, food innovations, food safety and defense developments, garrison feeding, nutrition and health, storage and packing solutions, surge and sustainment support, and water security. SUBNET forms a community of practice with Military Services, U.S. Department of Agriculture, Natick Soldier Research Development, and Engineering Center; Academia, and Industry to research and promote manufacturing improvements in the Subsistence Supply Chain. The SUBNET goals are to utilize innovation and the leverage the latest technologies to maximize the logistics capability and capacity within the subsistence supply chain industrial base. The desired outcomes include reduced cost, increased efficiencies, improved processes, enhanced quality, and improved surge demand capabilities.

The Casting program works to ensure a stable, reliable, and competitive domestic casting industrial base supporting the weapon system needs of the Department of Defense (DOD) and the Defense Logistics Agency (DLA). The casting program works with industry, universities, and the Casting Industry Associations to identify projects that improve the materials, processes and business practices of the nation's foundry industry. The program aligns projects with strategic issues and identified focus areas within the DLA and DOD. Guidance for these projects comes from the DLA Strategic Plan and input from the casting industry. Weapon system spare parts managed by DLA that contain castings are responsible for a disproportionate share of DLA's backorders or unfilled orders (UFOs). Cast parts are about two percent of National Stock Numbered Class IX parts but represent about five percent of all backorders, and when only the oldest backorders are considered, up to 10 percent are castings. This program includes tasks that focus on developing new capabilities in the areas of inspection, materials, processes, modeling, and design. Once

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: March 2024		
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S / Manufacturing Technology P	Project (N IBA / Indus	umber/Name) trial Base & Aging Weapon
	rogram (ManTech)	System Su	pport

developed, these capabilities will support the foundry industry, where the technologies will be tested and implemented, most often in conjunction with the casting industry associations. These advancements improve the metal casting supply chains for the DOD and the DLA to better support the warfighter. We will invest in projects aimed at reducing lead-time, reducing cost, and improving quality of castings critical to DOD weapon systems

The Forging program works to ensure a stable, reliable, and competitive domestic forging industrial base for the weapon system needs of the Department of Defense (DOD) and the Defense Logistics Agency (DLA). Working with industry, universities, and the Forging Industry Association to identify projects that improve the materials, processes and business practices of the nation's forging industry. The program aligns its projects with strategic issues and focus areas identified within the DLA and DOD. Guidance for these projects comes from the DLA Strategic Plan and input from the forging industry. Weapon system spare parts managed by DLA that contain Forgings are responsible for a disproportionate share of DLA's backorders or unfilled orders (UFOs). Forged parts are about two percent of National Stock Number (NSN) Class IX parts but represent about five percent of all backorders, and when only the oldest backorders are considered, up to 10 percent are forgings. This program includes tasks to develop new capabilities in the areas of inspection, materials, processes, modeling, and design. Once developed these capabilities will support the forging industry, where these technologies will be tested and implemented in conjunction with the forging industry associations. These advancements improve the forging supply chains for the DOD and the DLA to better support the warfighter. We will invest in projects aimed at reducing lead-time, reducing cost, and improving quality of forgings critical to DOD weapon systems.

The Battery Network (BATTNET) program objective is to develop the next generation of battery manufacturing technologies for cost and price efficiency, longer shelf life, and lighter batteries with higher energy. BATTNET conducts R&D initiatives to address sustainment gaps and bridge technical solutions into higher a Manufacturing Readiness Level (MRL) for specific groups of batteries. BATTNET also focuses on projects to develop the production capability for advanced lithium-based non-rechargeable and rechargeable batteries to ensure the prompt and sustained availability, quality, and affordability of Service approved batteries. Desired outcomes include: streamlined inventory and associated cost reductions through standardization and improved distribution practices; resolved obsolescence issues; addressed surge and sustainment issues; enhanced security of supply chain; increased competition and manufacturing base; reduced per unit battery cost; and leveraged Service-level (Army, Navy, Air Force) and other governmental (DOE, DOT, NASA) R&D efforts to insert new technology and practices into the existing DLA battery inventory.

The Additive Manufacturing (AM) program objective is to streamline customer purchase requests for AM items and provide the Warfighter an alternate source of supply for designated requirements. This effort responds to DLA's role called out in DOD Instruction 5000.93. Use of AM in DOD is to integrate AM products into the supply chain. R&D is leading the developmental effort for effective AM procurement processes in the DoD enterprise. The AM effort explores innovative technologies and emerging industry trends, as it pursues this alternate means of supply for products that are otherwise non-procurable or susceptible to procurement issues. The AM effort includes collaborative efforts with the Military Services to develop analytical tools to identify viable AM candidates while considering logistics planning factors. The AM effort requires effective management of the digital thread composed of authoritative 3D digital technical, manufacturing and testing data exchanged among designers, engineers, maintainers, logisticians, procurement managers and the vendor base to enable quality assurance acceptability. Potential AM benefits include products that can address an unfulfilled Warfighter readiness need by reducing production lead times, production costs, storage costs, transportation costs and in some cases fuel consumption due to lighter design and material options. DLA R&D will leverage these efforts with Industry, Academia and ongoing Military Service-level agreements (Army, Navy, Marine Corps, Air Force), Oak Ridge National Laboratory (ORNL) and the Department of Energy.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency		Date: N	larch 2024	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name)PPE 0603680S I Manufacturing Technology PIErogram (ManTech)S	Project (Number/Name) P IBA I Industrial Base & Aging Weapc System Support		
Advanced Microcircuit Emulation (AME) program objective is to maintain a reli Microcircuit emulation allows the Services to save significant costs by using fo assembly. Without the technologies planned on the AME Roadmap, DLA will r systems and subsystems, resulting in decreased warfighter readiness and sign	able and trusted domestic source for "non-procu rm, fit and functionally equivalent spare parts rath not be able to support DoD's requirements for hig nificant cost for weapons system or component re	able" linear and c her than redesign h quality spare pa edesign.	ligital microcir ng the next-h arts for critical	cuits. igher- electronic
Strategic Materials (SM) program objectives focus will be on emerging and rap chains that have been compromised by decreased or abandoned domestic pro requirements are in the form of research of materials and alloys and developm or recycling.	bidly expanding requirements to restore and stable oduction activities or lack of domestic reserves w ment of solutions including cost-efficient productio	lize strategic and thin the United Si n, substitution, do	critical materi ates. Most of mestic qualifi	als supply these cation, and/
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
Title: Industrial Base (IB) and Aging Weapon System Support Line of Effort (Le	OE)	32.338	36.728	46.625
Description: FY 2023 Accomplishments				
The Subsistence Network (SUBNET) program championed research, develop to enhance the efficiency, quality, and safety of the DOD subsistence supply community partners (military services, federal agencies, industry, and academ innovations in successfully supporting and executing R&D projects in moderniz management system; in-process logistics modeling for microbiological testing of barcode standards for Prime Vendors and Military Service stakeholders; invest investigation and determination of per- and polyfluoroalkyl (PFAS) sources thro also advanced Small Business Innovation Research (SBIR) topics in Subsister compositing, recycling, and repurposing system; deployable assembly kitting p automations in dining facilities; technological and operational improvements in modules.	ment, test and evaluation on multiple projects hain. The SUBNET program collaborated with ia) to leverage the latest technologies and zation and readiness analysis of a joint food of MREs; improving subsistence visibility with tigation of sustainable packaging options for MRE bughout the MRE assembly line. The program nce and saw promising results with separation, platform for Unitized Group Rations (UGR); roboti cold-weather combat rations heating and hydrati	s; c on		
The DLA Casting (MAN-PA) R&D program continued research and developme competitive metal casting industrial base providing affordable and high- quality improve the material, manufacture, and procurement of defense parts. Educati solicit and procure parts with cast content. These focus areas were supported casting procurement agility and supply base to support warfighter readiness, e no-bid situations, development of software to utilize knowledge and technics to identification of cast components from within the technical data package. Some and worked towards implementation included developing a virtual die casting s workforce development, modeling and simulations for pouring and solidification	ent efforts focused on ensuring a viable and parts for the Warfighter. Using partnerships to ing the work force on industrial practices to better through multiple projects aimed at improving DLA nhancements to assist in reducing lead times and provide estimates based on design criteria, and e of the projects that have successfully concluded simulation and other tools and resources for n of castings, developing higher strength castings	k's I		

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Log	Date: March 2024					
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	Element (Number/Name)Project (Number/Name)5 I Manufacturing Technology PIBA I Industrial Base & Aging WeaponTech)System Support				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025		
through the use of ceramic components and lattice structure, conform of high temperature alloys, and developing coatings for dies and too	mal cooling design for die casting dies and inserts, die ca ling to increase quality and reduce cost.	sting				
The DLA Forging (MAN-PF) R&D program utilized projects focused industrial base to ensure the DoD continues to have viable sources in Improving the manufacturing process and materials to decrease mains suppliers, working directing with these suppliers to maintain a viable placed on workforce development and resources to ensure a viable reduce environmental impact from sprayed lubricants, increase prodi- sensors and sensor technology to monitor the forging manufacturing. The BATTNET program completed four major contracts funded by the solid-state electrolyte technologies into cells and batteries for MIL-32 with excellent safety characteristics for military performance required evaluation. The program completed an advanced manufacturing tec- batteries, and advanced batteries for the Bradley Fighting Vehicle tu GVSC for evaluation. The program completed first stage manufacturing capabilit MIL-8565 lead-acid requirements. The program launched two project emerging DoD-wide nickel-zinc batteries and one for critical ground	on sustaining and improving the forging manufacturing for the procurement of quality parts with forged content. terial cost. Expanding and strengthen our collaboration wi and competitive forging supply chain. Specific focus was future workforce, coatings for dies and materials which wi luct quality and reduce waste and lead time, and utilizing g process. The FY 2019 Congressional Add, designed to transition via 2383 soldier system batteries. Several cell and battery typ ments, were submitted to US Army DEVCOM C5ISR for hnologies project for light weight (37%), bipolar lead-acid urret power, which were submitted to US Army DEVCOM n capabilities for lithium anodes used on critical MIL-3227 ties for high performance bipolar designs in military aviation to the for addressing manufacturing capabilities - one for MIL-32565 and soldier MIL-32383 standard batteries. The	h I ble es,				
program continued to manage nine SBIR Phase 2 projects (\$14.5 m prepared a new topic DLA 231-D06 on lithium-ion battery managem	illion) for military battery manufacturing objectives and ent system (BMS) cyber-security.					
The DLA-Additive Manufacturing (AM) program has continued its JA Military Partner Project Engagement. JAMA III is in its final stages of Quality Parts List and QML- Quality Manufacturers list has been dev the Military Services. Preparation is underway for JAMA IV. JAMA IV their ability to function as a resource for use. The requirements and Deloitte, and OSD. Military Partner projects with US Army DEVCOM executed with the development, testing, and production of the Wave phase 2 of the Waveguide endeavor is currently underway.	MA –Joint Additive Manufacturing Acceptability effort, and f meeting its goals as well as requirements. The initial QP veloped for review and use as a tool within the enterprise b / will target the application of the efforts of JAMA I-III, to v specifications are being developed in collaboration with D I and C5ISR are another focus area that is being success eguide and Joint Biological Point Detection System (JBPD)	l by erify LA, ully S). A				
The Advanced Microcircuit Emulation (AME) program continued to c	levelop manufacturing technologies required to achieve its	6				

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency				larch 2024		
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	Project (Number/Name) ¹ IBA / Industrial Base & Aging Weapon System Support				
B. Accomplishments/Planned Programs (\$ in Millions)		Γ	FY 2023	FY 2024	FY 2025	
goals of providing a reliable and trusted, domestic means of mitigating obsol capability for re-establishing sourcing for dual port memory microcircuits to f of additional manufacturing capabilities to support legacy 20-volt and 40-volt microcircuits. AME continued exploring supporting an emerging supply chair manufacturing.	lescence in legacy microcircuits. It transitioned a ull scale production. AME continued its developm t analog microcircuits, radiation hardened analog n risk in microcircuit cases with using additive	new ent				
FY 2024 Plans: The Subsistence Network (SUBNET) program will continue to develop and p projects that leverage emerging technologies and innovations. The SUBNET research in per- and polyfluoroalkyl substances in packing material used to a options for the MREs, and research other food sterilization methods to inclue storage to food service, and artificial intelligence in food. The program will al Research (SBIR) topics in Subsistence.	promote manufacturing improvements with R&D Γ program will continue to work Congressional Int assemble MREs, research sustainable packaging de food irradiation, research sensors from produc so continue to pursue Small Business Innovation	erest tion				
The Casting program will work to review proposals and award new contracts maintaining its alignment with the DLA Strategic plan and U.S. Casting Indus problems in the procurement and manufacture of parts that contain metal calabor-intensive processes, accuracy of existing modeling and simulation soft performance, complex manufacturing processes, resources for sourcing and obsolete or antiquated specifications/standards and the continued consolida the domestic market coupled with fierce competition from foreign sources. T that were awarded in FY 2023, focused on helping to secure and maintain a the U.S. manufacturing base. The resulting benefits from these projects are supply with increased spare part availability, and a resulting mission readine	s under the Broad Agency Announcement while stry Roadmap. These projects will work to alleviat astings. These problems include dangerous and tware and tools to predict end item or finished par d/or tooling identification, the use of required but tion of manufacturing facilities and resources with he casting program will continue to monitor project viable and vibrant foundry industry as a critical p an improved manufacturing base, reliable source tess for the DLA and the DoD.	t t nin cts art of s of				
The Forging program will continue to monitor awarded projects focused on in forging manufacturing methods. Innovative coatings for materials and forging resources to help the industry recruit and retain employees, and sensors and with the needs of the DoD and DLA aimed and supporting and fulfilling the n	mproving manufacturing processes and alternativ g dies, workforce development with tools and d smart manufacturing methods. These projects a leeds of the warfighter.	e align				
The Battery Network (BATTNET) program will continue to execute projects f standardization of soldier and system batteries within the DLA supply chain. technologies for the supply chain that have been developed by industry – ad	or improving the production readiness, transition, Projects will leverage new battery manufacturing lvanced electrodes production, low-cost materials	and				

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency			March 2024	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>) Project (Number/Name) pgy P IBA I Industrial Base & Aging Weapo System Support		
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025	
production or recycling, and advanced performance cells. The program inter safe lithium-ion capabilities with the US Military Services to replace obsolete systems.	nds to leverage deep-discharge, long cycle life, ar nickel-cadmium batteries in naval and aviation	d		
The Additive Manufacturing (AM) program will use the lessons learned durin (JAMA) efforts in the areas of AM parts prioritization, data formats, acceptab practices, stemming from the information technology modernization efforts to engagement technology peripheral digital services, to address the requirement digital experiences and DLA digital operations in order to adjust DLA's busin needed test beds to propel the expansion of the DLA' technical data manage developed) to establish a repeatable process for AM vendor bids. The Advanced Microcircuit Emulation (AME) program will continue to develor continue planning for the specific emulation technology implementations to s with Customer and Agency requirements. Additive Manufacturing for Microci Operational Amplifier, Radiation-Hardened Linear microcircuits, and Dual-Vo to be completed. AME will continue to develop capabilities in digital and ana	g the Joint Additive Manufacturing Acceptability vility criteria, and leverage emerging digital busine of engage in the testing and prototyping of custom ents generated at the convergences of the MILSV less models. DLA R&D AM will also launch the ement capability to include vendor 3D models (inc op its long-term technology roadmap. It will also support specific device family groups in consonan ircuit Cases - Phase III project, Small Case 20 Vo obtage Process Development projects are anticipa log/linear technologies.	ss er C ustry ce It ted		
FY 2025 Plans: The Subsistence Network (SUBNET) program will continue to develop and p projects that leverage emerging technologies and innovations. The SUBNET research projects that advance safety and quality of the foods destined for o Congressional Interest research in assessing and mitigating per- and polyflu sustainable/alternative MRE packaging material sourcing, enhanced food ste subsistence supply chain (farm-to-fork) monitoring studies, and explore artifi in food production, processing, distribution, and delivery. The program will al Innovation Research (SBIR) topics in Subsistence.	promote manufacturing improvements with R&D r program will continue to support and champion ur warfighters, which include but are not limited to proalkyl substances in MRE packaging material, erilization methods to include food irradiation, cial intelligence and machine learning research lso continue to pursue various Small Business	v:		
The DLA Casting (MAN-PA) R&D program will continue to monitor the resear procurement and the manufacture of DOD weapon system parts. The project cost modeling and simulation. Process improvements such as light weighting and robotics, ergonomics, and sustainability. We will plan for future developr sustainable substitutes, die materials, furnace refractory coatings and digital	arch projects aiming to alleviate problems in the ets include design tools for manufacturing such as g, smart machines and manufacturing, automation ment in hybrid cast materials, enhanced alloys, ar threat integration and implementation.	n Id		

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency			Date: March 2024				
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name)PrPE 0603680S / Manufacturing Technology PIBrogram (ManTech)Sy	o ject (Number/ A I Industrial Ba stem Support	Name) se & Aging W	leapon			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025			
The DLA Forging (MAN-PF) R&D program will continue to monitor alternative forging manufacturing methods, innovative coatings for and resources to help the industry recruit and retain employees, ar align with the needs of the DLA and the DoD aimed at supporting a	projects focused on improving manufacturing processes and materials and forging dies, workforce development with tools and sensors and smart manufacturing methods. These projects and fulfilling the needs of the warfighter.						
The Battery Network (BATTNET) program will continue to execute standardization of soldier and system batteries within the DLA sup technologies for the supply chain that have been developed by ind production or recycling, and advanced performance cells. The prog safe lithium-ion capabilities with the US Military Services to replace systems.	projects for improving the production readiness, transition, ar ply chain. Projects will leverage new battery manufacturing ustry – advanced electrodes production, low-cost materials gram intends to leverage deep-discharge, long cycle life, and e obsolete nickel-cadmium batteries in naval and aviation	d					
The DLA Additive Manufacturing (MAN-AM) R&D program will con current research projects that develop accessibility and acceptabili for warfighter readiness. This will enable Military Services the opport decrease issues with the sources of much needed parts in the Dob leverage AM policy, processes for producing parts, and pursue Sm opportunities in Additive Manufacturing.	tinue to explore emerging technology and monitor the ty of AM parts. Examine alternative manufacturing options ortunity to utilize innovative manufacturing as a means to D supply chain. This program will continue to research ways to nall Business Innovation Research (SBIR) and Emergent BAA						
The Advanced Microcircuit Emulation (AME) program will continue continue planning for the specific emulation technology implements with Customer and Agency requirements. The 40 Volt Operational to full scale production.	to develop its long-term technology roadmap. It will also ations to support specific device family groups in consonance Amplifier project is anticipated to be completed and transition	ed					
The Strategic Materials (SM) program will continue to examine the of solutions with cost-efficient production, substitution, domestic qu critical materials supply chains that have been compromised by de domestic reserves within the United States.	requirements for research of materials and alloys, development alification, and/or recycling to restore and stabilize strategic a pereased or abandoned domestic production activities or lack	nt nd of					
FY 2024 to FY 2025 Increase/Decrease Statement: Industrial Base and Aging Weapon System Support (IBA) baseline Additive Manufacturing to expand and develop the Joint Additive M Additive Manufacturing Acceptability (JAMA) initiative. JAMMEX ex	was increased primarily by \$7.500 million in FY 2025 for lanufacturing Model Exchange (JAMMEX) and expand the Jo xpansion and development will enhance integration of additive	nt					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency				Date: March 2024				
Appropriation/Budget ActivityR-0400 / 3PEroro	R-1 Program Element (Number/Name)ProjectionPE 0603680S / Manufacturing Technology PIBA / Systectionrogram (ManTech)Systection				j ect (Number/Name) I Industrial Base & Aging Weapon stem Support			
B. Accomplishments/Planned Programs (\$ in Millions)			[FY 2023	FY 2024	FY 2025		
manufacturing across DoD. JAMA expansion will create a common part qualification to approve more supply chain vendors and broaden the potential vendor base.	on framework from use by the N	lilitary Serv	ices					
A	complishments/Planned Prog	rams Sub	totals	32.338	36.728	46.625		
		FY 2023	FY 20	024				
Congressional Add: Flake Graphite-Based Solutions for Per- and Polyfluorinated Contamination	I Substances (PFAS)	5.000		-				
FY 2023 Accomplishments: The project objective is to develop graphite-derived forming foams (AFFFs). The SUBNET Program Manager completed and submitte contracting office. Award and kickoff of the project is expected in late August/early	PFAS-free aqueous film- d all required documents to the September 2023.							
Congressional Add: Steel Performance Initiative		13.000		-				
FY 2023 Accomplishments: Project continued to develop hybrid and Industry 4.0 along with modeling and quantitative nondestructive testing (QNDT) to advance providing the DLA and the DoD with a specialty steel casting supply chain capable supplier with the most globally advanced technology. Eleven projects are currently assessment, characterization, microstructure and property evaluation, Artificial Nu Things (IoT), and automated grinding and robotics. These projects are creating a the groundwork to collectively develop hybrid and Industry 4.0 manufacturing tech for the steel casting industry.) manufacturing technologies redictive performance design. e of supporting equipment v under way and include fatigue ral Networks (ANN), Internet of framework and continue to lay nologies, modeling and QNDT							
C	ongressional Adds Subtotals	18.000		-				

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

N/A

<u>Remarks</u>

D. Acquisition Strategy

DLA R&D primarily uses Broad Agency Announcements (BAA) to competitively award contracts to industry and academic organizations for Advanced Technology Development projects. BAAs allow DLA R&D to see a wide range of technical approaches to address an area of interest or specific requirement. Multiple awards can be made so that the chances of a successful R&D outcome are maximized. BAAs are a flexible way to access all parts of the technology supply chain and structure a contract that satisfies the DOD requirements. To save potential offeror time and money, most BAAs include a short white paper submission that allows stakeholders to determine if the level of interest justifies requesting a full cost and technical proposal. Full proposals resulting from the white paper review are evaluated and move through an expedited evaluation and award process. Castings, Subsistence, Emergent Technology and Battery Network currently have open BAAs in FY2025.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	_	Date: March 2024	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	Project (N IBA I Indus System Su	umber/Name) strial Base & Aging Weapon opport

Occasionally, DLA may use Other Transaction Authority (OTA) to rapidly deliver prototype capabilities with design and discovery techniques rather than requirementsbased approaches. OTA agreements are especially useful for advancing technology adoption because they reach non-traditional, small business companies with innovative technologies and have the advantage of being able to go from development into production without a follow-on competitive contract.

In 2024, DLA R&D can use The DLA Joint Enterprise Technology Services (JETS) JETS 2.0 multi-award Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicle. JETS 2.0 will be used to acquire IT services from small and large pre-qualified performers, including R&D Support tasks, with AM SME, AM Tech Specialist, Biologist, Chemist, Food Scientist, and Industrial Engineer labor categories.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency								Date: Marc	ch 2024			
Appropriation/Budget Activity 0400 / 3	Budget ActivityR-1 Program Element (Number/Name) PE 0603680S / Manufacturing Technology P rogram (ManTech)Proj TDM 			Project (Number/Name) TDM I 3D Tech Data Modernization / Model Based Enterprise								
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
TDM: 3D Tech Data Modernization / Model Based Enterprise	135.973	39.011	9.676	8.741	-	8.741	9.077	9.451	9.679	9.943	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The three-dimensional (3D) Technical Data Modernization (TDM) / Model-Based Enterprise (MBE) includes efforts to improve and facilitate the exchange of engineering and logistics information among DLA, the Military Services, industry partners, and customers. This LOE includes the Military Unique Sustainment Technology (MUST), the Defense Logistics Information Research (DLIR), and the Emerging Requirements (EMR) portfolios. A primary focus of this LOE is to capitalize on the emerging "Model Based Enterprise" paradigm and the semantic web as an enabler to a logistics system that is smart and connected up and down the supply chain and across all DLA Customers and suppliers. A major focus is to transform DoD engineering data from two-dimensional paper-based products to three-dimensional computer-based models, and to develop processes to move from "electronic paper" (i.e. PDF files) to technical data files that can interface directly with industries' engineering systems. The benefits include shorter product introduction cycles, lower set up-costs for parts production and more economical small batch production. Objectives for this LOE includes:

Transform technical data into modern, machine-usable, neutral formats: support DoD's digital modernization efforts and provide significant readiness improvements.
 Create a model-enabled knowledge base shared among DLA, the Military Services and industry: streamline the delivery of accurate requirements and high-quality material and end-items throughout the supply chain.

3. Quickly develop emergent and breakthrough technologies into military significant capabilities.

The Military Unique Sustainment Technology (MUST) program addresses GAO Report 12-707 recommendations for DoD to establish a "knowledge-based approach" to define, communicate, and collaborate on military unique Combat Uniforms and Individual Equipment (CUIE) requirements. DLA has the responsibility to manage and maintain the technical requirements among the Services and the Defense Industrial Base. Currently there is no common environment for collaborating on new requirements among the stakeholders. The strategic objective of the DLA MUST program is to identify, develop, and adopt technologies that can significantly improve the joint process from transitioning new item development to DLA sustainment and operations. The Program focuses on technologies that will transform the military CUIE supply chain from an "electronic paper" (i.e. PDF/MS Word) based manual environment, into a knowledge-based model driven environment. This approach will result in seamlessly communicating military unique technical requirements throughout the end-to-end supply chain, leading toward a Model Based Enterprise.

The Defense Logistics Information Research (DLIR) program seeks to improve the quality, security, and interoperability of logistics data to further enable and streamline DLA operations ultimately providing higher quality parts for enhanced weapons sustainment. Additionally, DLIR efforts are focusing on assisting Small and Midsize Manufacturers (SMMs) in their adoption of Industry 4.0 and workforce development in the Defense Industrial Base (DIB). DLA must transform its business practices and methodologies as the data for weapons systems evolve from traditional formats and delivery methods (such as two-dimensional images and PDF formats) to newer, more innovative methods (such as three- dimensional solid models, object-oriented databases, service-oriented architecture (SOA) and Web 3C standards).

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency		Date: March 2024			
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name)ProjectionPE 0603680S / Manufacturing Technology PTDMrogram (ManTech)Base	<i>Project (Number/Name)</i> <i>y P</i> TDM <i>I 3D Tech Data Modernization / Model</i> <i>Based Enterprise</i>			
This transformational shift for DLA is driven by the Model-Based Enterprise (M systems to the Military Services and the way the Military Services in turn mana Acquisition, DLA Tech/Quality, and DLA's Major Subordinate Commands (MS delivery of weapons systems data.	BE) approach, the way industry is delivering design age and provide the data to DLA. The Military Service Cs) are key stakeholders in the DLIR initiatives to mo	and developm es, DLA Logis odernize the re	ent data for w tics Operation epresentation	veapon is, DLA and	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025	
Title: Three-dimensional (3D) Technical Data Modernization (TDM) / Model-Based Enterprise (MBE) (R&D LOE 2)		10.411	9.676	8.741	
Description: FY 2023 Accomplishments:					
The MUST II program focus has been to integrate the MUST II developed tools Application Program Interface (API) and additional development of the Interim capturing and managing Interim Changes (IC) to the technical requirements. T and functional validation. In FY23 MUST II has had successful and continued of Textiles, Joint Clothing Textile Modernization Initiative (JCTMI), Military Service Testing Center, and the Industrial Base.	s into the Digital Model Library (DML) using an Change Management System (ICMS) tool for he ICMS completed Troop Support internal testing collaborated with DLA Troop Support Clothing & es Engineering Support Activities, DLA Product				
DLIR completed the Digital Rights Management (DRM) project which explored can improve the security of DLA technical data, and an analysis of Standard for transfer accuracy – a study to investigate the transferability of 3D technical dat to enable the transportability of digital artifacts across the DoD Services and Va efforts to build a Digital Sustainment Platform (DSP) which is a robust platform enterprise supporting DLA Technical Data Management Transformation (TDM Advanced Manufacturing, and SMMs. DLIR transitioned to Phase III of the Feo cleansing efforts where scripted algorithms and machine learning (ML) will be a the FLIS. DLIR continued to develop a prototype or remote inspection and proc augmented reality (AR). Finally, DLIR kicked off a process digital twin project to Aviation Order-to-Cash (O2C) process and several Congressional Interest Item within the DIB.	whether commercial DRM tools and techniques r the Exchange of Product Data (STEP) 242 data a within / between CAD platforms using STEP 242 endor Enterprise. Additionally, DLIR continued that enables the model-based sustainment T) efforts, Supply Chain Risk Management (SCRM), leral Logistics Information System (FLIS) data used to identify, scope, and cleanse data errors in duct testing for Clothing and Textile goods utilizing b identify bottlenecks and root causes in the DLA hs (CII) to assist SMMs and workforce development				
The program executed Congressional add funding to support Strategic Materia projects for: High Performance Magnets, Hypersonic Radomes and Apertures, Battery Grade Graphite, and received additional direct funding for Isomolded G	Is and Rare Earth Element related technical Nanostructured Iron Nitride Permanent Magnets, Graphite technology.				
FY 2024 Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Ager	Date: March 2024				
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name)PE 0603680S I Manufacturing Technology Program (ManTech)	Project (Number/ DM / 3D Tech Da Based Enterprise	Name) ta Moderniza	tion / Model	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025	
The Military Unique Sustainment Technology II (MUST II) program will develop "front end" to the MUST Knowledge Base. In this vision, MUST Knowledge Base Application Programming Interfaces as Items prepare for, and transition to DLA and the DML working prototype will be delivered and available for transition into in the DML will continue to be expanded and the AI needed to make the DML in will be enhanced. The major effort of integration into Military Services developm undertaken.	a strategy to integrate Services PLM data as a se tools and capabilities interface with PLM via Sustainment. The ICMS tool working prototype o an operational capability. Technical data content information available throughout the supply chai ment organizations and the industrial base will b	int i e			
The Defense Logistics Information Research (DLIR) program will continue to su Transformation (TDMT) efforts to determine IT architecture needs and to ensur compliance objectives and integrates with Military Services irrespective of platf focusing on cybersecurity and building the digital thread completing the conver formats, producing first articles, and demonstrating to the cognizant Engineerin TDP can be the authoritative TDP.	upport DLA's Technical Data Management re DLA's MBE architecture meets/exceeds DOD orms. DLIR will continue collaboration with MxD sions of selected NSNs to 3D, model -based og Support Activity (ESA) that the model -based				
The Emerging Requirements (EMR) program will continue to enable DLA's invertiant may be implemented in the nearer term, without degrading well established	estigation of new disruptive technology advance d program efforts.	s			
FY 2025 Plans: In the future, MUST II plans to develop more powerful AI based tools to incorport technical requirements from the digital models. Technical data content in the diexpanded and the AI needed to make the DML information available throughout MUST II will continue to work with the Services to promote the use of data form and identify process touch points for the Joint Clothing & Textile Manufacturing into Military Services development organizations and the industrial base will be become the authoritative source for combat uniform and individual equipment the visibility to all stakeholders. These models can be efficiently managed (queried supplying data directly to test plans and manufacturing processes. Joint process digital model data. Prototype tools and interfaces will also be developed to import the Defense Logistics Information Research (DLIR) program will continue to surface development of a prototype for and transition Federal Logistics Information (TDMT) efforts, complete and transition Federal Logistics Information for the prototype for the state of the state	prate ICs into the base models, and to extract gital model library (DML) will continue to be ut the supply chain will be enhanced. In addition hats compatible with the digital document model Initiative (JCTMI). The major effort of integratic undertaken. The digital document models will echnical requirements and provide common , analyzed, updated) and will be capable of sees will be reengineered to take advantage of t rove digital model utility for the industrial base.	s n ne			
expand development of a prototype for remote inspection and product testing for reality (AR), complete process digital twin project/s to identify bottlenecks and r	or Clothing and Textile goods utilizing augmente oot causes in DLA processes and several	d			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency					Date: March 2024		
Appropriation/Budget ActivityR-1 Program Element (Number/Name)Project (Normality)0400 / 3PE 0603680S / Manufacturing Technology PTDM / 3Dorgram (ManTech)Based En					lame) a Modernizat	ion / Model	
B. Accomplishments/Planned Programs (\$ in Millions)			F	Y 2023	FY 2024	FY 2025	
Congressional Interest Items (CII), to assist SMMs and workforce developmen workforce development labs and additional advanced manufacturing concepts	nt within the DIB. Furthermore, DLIR 5.	t will be pur	suing				
The Emerging Requirements (EMR) program will continue to enable DLA's invite that may be implemented in the nearer term, without degrading well established	vestigation of new disruptive technol ed program efforts.	logy advanc	es				
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2025 baseline was reduced to fund higher DoD priorities.							
	Accomplishments/Planned Prog	grams Sub	totals	10.411	9.676	8.741	
		FY 2023	FY 2024				
Congressional Add: AI based market research system		3.000	-				
FY 2023 Accomplishments: DLIR Completed contract/acquisition package for conduct an R&D pilot that applies AI to improve the nation's military industrial processes, and diversify and strengthen the supply chain. Once completed the framework and blueprint to dramatically improve both readiness and resiliency (DIB) at scale within the DOD. The project was awarded 27 Sept 2023.	or this congressional add which will base, accelerate the contracting e pilot's data will provide a v of the Defense Industrial Base						
Congressional Add: Supply Chain Readiness Improvement Program		5.000	-				
FY 2023 Accomplishments: The DLA Small Business Innovation Program (S acquisition package for this congressional add which will conduct an R&D initia and innovative manufacturing and qualification methods to improve product aw and cost competitiveness, etc. for critical weapon system components. Provin term demonstration will expand the industrial base ready to support DoD weap base capacity to produce critical weapons systems components, and through availability and provide a reduction in costs for the DoD.	SBIP) awarded a contract/ ative to develop technical data /ailability, quality, performance, ng this capability through a short- bon systems, increase industrial increased competition Improve						
Congressional Add: Battery Grade Graphite		3.600	-				
FY 2023 Accomplishments: The DLA Small Business Innovation Program (S Business Innovation Research Program to award Phase I and Phase II awards Item. Phase I awards will be made in January of 2024, and Phase II awards w of this additional effort is to reestablish domestic production capability of legac graphite using a US supply chain and US manufacturing facility. The project se source of raw materials and produce a qualification batch of 8 tons of ATJ grap	BIP) will utilize the 3 phase Small s for this Congressional Interest ill be in June of 2024. The purpose y ATJTM isostatically molded eeks to qualify a new domestic phite. After qualification testing						

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Ag		Date: March 2024		
Appropriation/Budget Activity 0400 / 3	opriation/Budget Activity R-1 Program Element (Number/Name) / 3 PE 0603680S / Manufacturing Technology P rogram (ManTech)			umber/Name) Fech Data Modernization / Model Perprise
		FY 2023	FY 2024	
and acceptance by customers, there will be a source of ATJ at a capacity level isostatically molded graphite as a drop-in replacement for the legacy ATJ may the US will again have a domestic source of strategically important large isos used for rocket nozzles and ablative materials produced by a US-owned control of the terms of terms of the terms of terms o	vel of up to 3,000 tons per year of aterial. At the end of this program, statically molded graphite billets npany.			
Congressional Add: High performance magnets		5.000	-	
FY 2023 Accomplishments: DLA Small Business Innovation Program (SBI package in January 2024 for this congressional interest item which will cond intent to leverage ongoing magnet recycling and manufacturing with a focus Earth Magnet Production Qualification Plans for Defense Industrial Base: Ex Programs. Urban Mining Company proposed a Magnet-to-Magnet recycling from end-of-life appliances, reduces them to powder, and finally reforms the properties like, or better than starting materials. This process could alleviate operating outside of the conventional magnet supply chain.	P) completed contract/acquisition uct a SBIR Phase III project with the on qualifying domestic NdFeB Rare ccalibur, Peregrine, JDAM + SDB system that takes waste magnets m into new magnets with magnetic supply risk in the US by largely			
Congressional Add: Hypersonic radomes and apertures		5.000	-	
FY 2023 Accomplishments: DLA Small Business Innovation Program (SBI package in August 2023 for this congressional interest item which will conduct intent to leverage ongoing Hypersonic technology developmental efforts by A to accelerate manufacturing readiness of Hypersonic radomes/apertures that rigorous performance and survivability requirements of Hypersonic weapons NH, brings significant expertise to bear on several potential solutions.	P) completed contract/acquisition lict a SBIR Phase III project with the AFRL, AFWERX, MDA, and DARPA it are essential to achieving the s, Mentis Sciences, of Manchester,			
Specifically, Mentis will 1) focus and accelerate the development of Mentis A Radomes and Apertures, 2) leverage Mentis competencies in the: design, de Ox/Ox preforms and structures; RF Aperture design, characterization, and te design, testing and analysis to mature material solutions to TRL / MRL 6 req capabilities and limits leveraging component testing tech demonstration plate Materials Evaluation Laboratory (LHMEL), Arnold Engineering Development Missile Range to advance Hypersonic Ox/Ox Requirements.	Advanced Pre-Ceramic Composite evelopment, and production of esting; and aerothermal platform uirements and 3) demonstrate form tests at Laser Hardened Complex (AEDC); White Sands			
Congressional Add: Nanostructured iron nitride permanent magnets		7.000	-	
FY 2023 Accomplishments: DLA Small Business Innovation Program (SBI package in Jan 2024 for this congressional interest item which will extend Ni	P) completed contract/acquisition iron Magnetics proposed the use			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agence	су —			Date: March 2024		
Appropriation/Budget Activity R-1 Program Element (Number/Name) 0400 / 3 PE 0603680S / Manufacturing Technology rogram (ManTech)				Project (Number/Name) [•] TDM I 3D Tech Data Modernization / Mode Based Enterprise		
		FY 2023	FY 2024]		
of Iron Nitride as means of reducing the use of rare earths for the manufacture of magnets. Iron Nitride is a high performance, completely rare earth free permane differentiator to Niron's magnet technology is powder particle coating by Atomic fluidized bed reactor. ALD is a ground-breaking powder conditioning technology Niron's iron nitride magnets: 1) passivation of the nanoparticle surface, preventir isolation of the nanoparticles, improving their ability stay fully magnetized. The unitride include a magnetic strength higher than most grades of NdFeB permaner. The follow-on project continues this work started with the FY22 effort. The internant manufacturing readiness of non-rare earth containing iron nitride permanent electric components and systems. A four-task program is currently envisaged. The first aims are to identify alloying elements that would maximize iron nitride na electric machine design that incorporates iron nitride permanent magnets; The iron oxide nano particles (IONPs) for reduction and nitriding at pilot scale (10 kg scalable processes to reduce, nitride, and passivate IONPs. The final task is to a magnets with an energy product of 15 MGOe.	of high-performance permanent ent magnet technology. A key Layer Deposition (ALD) in a that provides two benefits to ng oxidation, and 2) magnetic unique characteristics of iron nt magnets. It is to advance the technology t magnets, for use in military magnet performance and develop he second task is to synthesize). The third task is to develop develop iron nitride permanent					
	Congressional Adds Subtotals	28.600	-			
C. Other Program Funding Summary (\$ in Millions)	<u> </u>	20.000				

N/A

<u>Remarks</u>

D. Acquisition Strategy

DLA R&D primarily uses Broad Agency Announcements (BAA) to competitively award contracts to industry and academic organizations for Advanced Technology Development projects. BAAs allow DLA R&D to see a wide range of technical approaches to address an area of interest or specific requirement. Multiple awards can be made so that the chances of a successful R&D outcome are maximized. BAAs are a flexible way to access all parts of the technology supply chain and structure a contract that satisfies the DOD requirements. To save potential offeror time and money, most BAAs include a short white paper submission that allows stakeholders to determine if the level of interest justifies requesting a full cost and technical proposal. Full proposals resulting from the white paper review are evaluated and move through an expedited evaluation and award process. DLIR and MUST programs currently have open BAAs through FY2026 and FY 2025 respectively.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: March 2024		
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
0400 / 3	PE 0603680S / Manufacturing Technology P	TDM / 3D	Tech Data Modernization / Model
	rogram (ManTech)	Based Ente	erprise

Occasionally, DLA may use Other Transact ion Authority (OTA) to rapidly deliver prototype capabilities with design and discovery techniques rather than requirementsbased approaches. OTA agreements are especially useful for advancing technology adoption because they reach non-traditional, small business companies with innovative technologies and have the advantage of being able to go from development into production without a follow-on competitive contract.

In 2024, DLA R&D can use The DLA Joint Enterprise Technology Services (JETS) JETS 2.0 multi-award Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicle. JETS 2.0 will be used to acquire IT services from small and large pre-qualified performers, including R&D Support tasks, with AM SME, AM Tech Specialist, Biologist, Chemist, Food Scientist, and Industrial Engineer labor categories.

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Exhibit R-2, RDT&E Budget Iten	n Justificat	ion: PB 202	25 Defense	Logistics A	Agency					Date: March 2024		
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)					R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Development Technology (Log R&D)</i>							
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	108.100	13.389	16.580	18.543	-	18.543	18.858	19.037	19.419	19.899	Continuing	Continuing
LOI: Logistics Operations Innovation	48.166	6.134	7.391	8.373	-	8.373	8.513	8.593	8.268	8.480	Continuing	Continuing
PAM: Predictive Analytics / Modeling & Simulation	30.633	4.063	3.914	3.942	-	3.942	4.037	4.100	4.215	4.327	Continuing	Continuing
SWM: Smart-Warehouse Modernization	29.301	3.192	5.275	6.228	-	6.228	6.308	6.344	6.936	7.092	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Logistics Agency (DLA) is responsible for providing the Military Services, other Federal Agencies, as well as combined and allied forces, the full spectrum of logistics, acquisition and technical services. DLA acquires, manages and provides virtually 100 percent of the consumable items the military services need to operate – including food, uniforms, fuel and energy, medical supplies, construction and barrier materials, equipment, and more than 85 percent of the military's spare parts. DLA also provides logistics related services such as logistics information data management, the reutilization of military equipment, as well as document automation and production services. DLA R&D established five Lines of Effort (LOEs) in FY 2023. The Log R&D Program Element executes three LOEs: Logistics Operations Innovation, Predictive Analytics, Modeling & Simulation, and Smart Warehouse Modernization. The DLA Manufacturing Technology Program (P.E.0603680S) executes two LOEs: Industrial Base and Aging weapon Systems Support and 3DTechnical Data Modernization/Model Based Enterprise.

The Log R&D program helps ensure that advanced logistics concepts and business processes are used to accomplish the agency's mission with the leanest possible infrastructure. Log R&D identifies the best commercial business practices and tailors them, as necessary, into the most effective business processes for the agency. Log R&D develops and demonstrates high risk, high payoff technology that provides a significantly higher level of support at the lowest possible costs.

The LOEs are closely aligned to priorities specified in the most current DLA Strategic Plan, which identifies Digital Business Transformation as one of three critical capabilities to achieve DLA's business goals of enhancing performance, reducing costs, and becoming more predictive and data driven. This critical capability also seeks to transform systems and processes to improve data transparency, reliability, and security for our employees, customers, and suppliers. DLA's initiatives within this critical capability align with the National Security Strategy (NSS) by emphasizing the importance of harnessing rapid emerging technologies that will transform how DLA does business.

- Logistics Operations Innovation: R&D efforts to cultivate integration of innovative processes and technology into the DLA supply chains to enhance warfighter readiness and weapons system sustainment. This LOE focuses on supporting the DLA LOE 4: Modernized Acquisition and Supply Chain Management, while also investment in cross-cutting supply chain efforts, to include fuel quality and alternative fuel sources, or emergent needs that impact DLA's ability to effectively support the warfighter through the following portfolios: Energy Readiness Program (ERP), Acquisition Modernization Technology Research (AMTR), and Supply Chain Management and Sustainability (SCMS).

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistics A	Date: March 2024			
Appropriation/Budget Activity	R-1 Program Element (Number/Name)			
0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3:	PE 0603712S I Logistics Research and Development Technology (Log R&D)			
Advanced Technology Development (ATD)				

- Predictive Analytics, Modeling & Simulation: R&D efforts develop predictive analytic solutions using data and Artificial Intelligence/Machine Learning (Al/ ML) to solve high-impact problems, improve business operations, and provide actionable strategies to inform business decisions. Primarily focused on the DLA Strategic Plan Critical Capability C: Digital Business Transformation, these LOE efforts cut across DLA Strategic Plan LOE 1: Warfighter Always, LOE2: Trusted Mission Partner, and LOE 4: Modernized Acquisition and Supply Chain Management, supporting the warfighter through the Logistics Technology Research (LTR) portfolio of projects.

- Smart Warehouse Modernization: R&D efforts to modernize distribution and disposition operations through infusion of smart-warehousing, interconnected technologies, and automation. This LOE is dedicated to one of the primary focus areas of DLA's Critical Capability for Digital Business Transformation: warehousing modernization through efforts within the Strategic Distribution and Disposition (SDD) portfolio of projects.

DLA's focus for this budget cycle highlights advanced capabilities in digital and technical data modernization, management and analytics to transform DLA Business Processes to lower the Agency's material acquisition and operation costs along with improving weapons systems support.

B. Program Change Summary (\$ in Millions)	FY 2023	<u>FY 2024</u>	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	13.663	16.580	16.896	-	16.896
Current President's Budget	13.389	16.580	18.543	-	18.543
Total Adjustments	-0.274	0.000	1.647	-	1.647
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-0.474	-			
 Below Threshold Reprogramming 	0.200	-	-	-	-
 Internal Reallocation 	-	-	2.001	-	2.001
 Program Increase: Non-labor Inflation 	-	-	0.036	-	0.036
 Program Decrease 	-	-	-0.390	-	-0.390

Change Summary Explanation

FY 2025 Internal Reallocation: Logistics Operations Innovation (LOI) baseline was increased by \$2.000 million to initiate programs for Class IV Supply Chain and DLA Disposition, expand Acquisition Modernization Technology Research.

FY 2025 Program Decrease: Reduction to fund higher DoD priorities.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency											ch 2024	
Appropriation/Budget Activity 0400 / 3				R-1 Program Element (Number/Name)ProjectPE 0603712S / Logistics Research and DevLOI / Locelopment Technology (Log R&D)LOI / Loc				Project (N LOI / Logis	Number/Name) gistics Operations Innovation			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
LOI: Logistics Operations Innovation	48.166	6.134	7.391	8.373	-	8.373	8.513	8.593	8.268	8.480	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A Missian Description and Dud												

A. Mission Description and Budget Item Justification

The Logistics Operations Innovation Line of Effort (LOE) seeks to improve DLA supply chain performance and security through the integration of advanced technology and innovative processes into daily business operations. Research in these areas drive improvements to internal costs, reduce award delays, and improve material availability, supply chain security, and logistical planning. This will be accomplished through the use of artificial intelligence/machine learning, block-chain technology, and research of emerging commercial best practices and technologies. In addition, out of cycle emergent technologies across all DLA supply chains and logistics processes are resourced in a timely manner without disrupting ongoing projects by funds reallocation. The objectives for this LOE include:

- 1. Secure supply chains: Improvements to the DoD Class III Bulk Fuel Petroleum, Oil and Lubricants supply system
- New or improved analytical methods to determine product quality or identify anomalies
- Renewable energy technologies for military and government use
- Enhanced military adoption and use of fuel products derived from petroleum alternatives
- 2. Technical Solutions for anti-counterfeiting detection: innovative solutions to prevent counterfeit parts in the logistical supply chain.
- Reduced supply chain vulnerabilities through low-cost anti-counterfeiting solutions
- 3. Integrated logistics and acquisition information that yields cost savings and shortens lead times:
- An enterprise market intelligence capability to optimize spending strategies and business outcomes
- An automated contract quality capability that will result in a higher percentage of contracts executable upon award and subsequently a reduction of Production Lead Time
- Improved e-commerce and supplier bidding systems

The Logistics Operations Innovation LOE includes R&D efforts to develop new products and services for DLA customers in three programs:

⁻ The Energy Readiness Program (ERP) roadmap helps to achieve the operational energy strategy goals of increasing sources of supply, developing and implementing alternative fuels under the ERP.

⁻ The Acquisition Modernization Technology Research (AMTR) program officially established in FY 2022. Many of the current efforts were initiated and funded under the Logistics Tech Research (LTR) Program; however, because of the increasing focus on DLA Acquisition modernization to enhance market intelligence capabilities,

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Age	Date: March 2024			
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Dev</i> <i>elopment Technology (Log R&D)</i>	Project (Number/N LOI / Logistics Ope	Name) erations Innov	ation
improve contract quality, and enable best value acquisitions, these efforts tran program in close coordination with DLA J7 moving forward.	isitioned to a dedicated program. These and sir	nilar efforts will be r	nanaged by tl	he AMTR
 Supply Chain Management & Sustainment (SCM-S) seeks to deliver enterprenetering environments. Severe compound threats through sufficient, resilient, transpare Ensure installation of resiliency under severe compound threats Deliver Class IV Total Asset Visibility and Supplier Illumination Enhance SCRM efforts across DoD and industry while supporting globally in 	rise-level capabilities for Joint Warfighter readir ent global supply chains & infrastructure, for a s tegrated joint logistics operations.	ess and lethality in ecure and sustaina	contested log ble future	jistics
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
 Intre: Logistics Operations Innovation Line of Effort (R&D LOE 4) Description: FY 2023 Accomplishments: The Energy Readiness Program executed the Congressional Add supported p Biomass Conversion to Liquid Hydrocarbon Fuels, has completed operational upgrading that crude oil to jet fuel. U of Maine has garnered interest from a mapotential incorporation into refinery operations. Hydraulic Fluid Jet Fuel Contamination Study, conducted by the Air Force R data supporting the development and documentation of robust gas chromatog for the detection of hydraulic fluid contamination in fuels removed from military contamination content in order to approve returning the affected fuels to aircra The Acquisition Modernization Technology Research (AMTR) Program completed plus to aircra at DLA Aviation and DLA Energy and launched a third project at DLA Land & I contract quality analytics dashboard and third-party proofs of concept; develop DLA parts and what makes those items a fit for an automated pricing platform solution); and beginning the modernization journey of DLA's Internet Bid Board The Supply Chain Management and Sustainment (SCM-S) program successfu Agreement Act (TAA) Compliant Database for Suppliers and Products for 19 c Taiwan while initiating AFRICOM and EUCOM regions. SCM-S also complete and INDOPACOM that estimates demands and activities within those regions transitioned a Jet Fuel and Crude Oil study was also transitioned for key INDC consumption, and import/export proportions. SCM-S also prioritized human ma first autonomous robotic system in DLA Disposition warehouses. The Supply Chain System in DLA Disposition warehouses. 	broject with the University of Maine," Woody campaigns on producing synthetic crude oil an ajor oil refinery in the results of the campaign fo esearch Laboratory (AFRL) completed with suff raphy – mass spectrometry (GC-MS) test meth aircraft. This method will assist in rapidly valida ft service. eted individually tailored Market Intelligence pro Maritime. Other efforts included prototyping of a bing a better understanding of harder to procure (integrated management readiness logistics su d System (DIBBS). ully established and transitioned a Class IV Tran- countries within the INDOPACOM region and d Class IV Demand Estimate studies for AFRIC to improve demand capacity planning. SCM-S 0PACOM countries to validate inventory, produc achine teaming technologies by incorporating th Chain Management and Sustainment (SCM-S)	6.134 dicient od ting ects oport le OM tion, e	7.391	8.373

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	bit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency								
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Dev</i> <i>elopment Technology (Log R&D)</i>	Projec LOI / L	t (Number/N ogistics Ope	Name) erations Innov	ation				
B. Accomplishments/Planned Programs (\$ in Millions)		Γ	FY 2023	FY 2024	FY 2025				
support of contingency operations and continue research efforts in asset visibili and disposition technologies.	ity, dynamic network analysis, information map	oping,							
FY 2024 Plans:									
The Energy Readiness Program (ERP) program will continue working with the standards for fuel quality, engage in modeling and simulation of the energy sup for Military Customers. ERP will focus on determining R&D solutions for ongoin and operational requirements (e.g., thermal stability, storage stability, ignition c military unique fuels. With the current Administration's increased focus and clim products, the program's efforts to assist the military services in the qualification specification requirements are anticipated to increase significantly.	Service customers to improve specifications and oply chain, and identify alternative energy source ing issues affecting fuel and fuel additive quality apability) and providing additional alternatives nate change initiatives and alternatives to petro and certification of alternative fuels to meet m	nd ces for bleum hilitary							
The Acquisition Modernization Technology Research (AMTR) Program will built wide Market Intelligence program, focusing on DLA Distribution and DLA Dispo- piloting the contract quality analytics dashboard, continuing research efforts and replacing the DLA Internet Bid Board System (DIBBS) and testing the Integrate (IMRLS) solution prior to enterprise launch.	orise-								
The Supply Chain Management and Sustainment (SCM-S) program will begin to Optimization of Supply Chains (AMOS) supply chain simulator in support of cor in asset visibility, dynamic network analysis, information mapping, and dispositi	transition of the Advanced Modeling and ntingency operations and continue research ef on technologies.	forts							
FY 2025 Plans: The Energy Readiness Program (ERP) will continue to working with DLA Energy and standards for fuel quality, engage in modeling and simulation of the energy ERP will also focus on determining R&D solutions for ongoing issues affecting a requirements (e.g., thermal stability, storage stability, ignition capability). The pr in the qualification and certification of alternative fuels to meet military specifical current Administration's goals addressing climate change through the decarbor transportation fuels.	gy Service customers to improve specifications v supply chain and identifying alternative energe fuel and fuel additive quality and operational rogram will continue to assist the military servi- ition requirements; this will be in alignment with nization and carbon neutral emission attainment	s jy. ces h the nt of							
The Acquisition Modernization Technology Research (AMTR) program will con- Intelligence program, continue efforts to improve or replace the DLA Internet Bi	clude implementation of an enterprise-wide Ma d Board System (DIBBS), review program sup	arket oport							

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics /	Agency		Date: M	larch 2024					
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Dev</i> <i>elopment Technology (Log R&D)</i>	Project (Number/Name) LOI / Logistics Operations Innovation							
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2023	FY 2024	FY 2025				
and develop an integrated view of contract quality, improve DLA's e-comm design (CAD) on demand.	erce capabilities, and implement computer-aided								
FY 2025 Supply Chain Management and Sustainment (SCM-S) program be ensure Mission Accomplishment in a contested environment .	aseline was increased across the FYDP to suppor	t to							
FY 2024 to FY 2025 Increase/Decrease Statement: Logistics Operations Innovation (LOI) baseline was increased in FY 2025 to	o accelerate AMTR projects and SCMS.								
	Accomplishments/Planned Programs Sub	totals	6.134	7.391	8.373				
N/A Remarks D. Acquisition Strategy DLA R&D primarily uses Broad Agency Announcements (BAA) to competitively award contracts to industry and academic organizations for Advanced Technology Development projects. BAAs allow DLA R&D to see a wide range of technical approaches to address an area of interest or specific requirement. Multiple awards can be made so that the chances of a successful R&D outcome are maximized. BAAs are a flexible way to access all parts of the technology supply chain and structure a contract that satisfies the DOD requirements. To save potential offeror time and money, most BAAs include a short white paper submission that allows stakeholders to determine if the level of interest justifies requesting a full cost and technical proposal. Full proposals resulting from the white paper review are evaluated and move through an expedited evaluation and award process. AMTR has an open BAA through FY 2026.									
Occasionally, DLA uses Other Transaction Authority (OTA) to rapidly deliver prototype capabilities with design and discovery techniques rather than requirements-based approaches. OTA agreements are especially useful for advancing technology adoption because they reach non-traditional, small business companies with innovative technologies and have the advantage of being able to go from development into production without a follow-on competitive contract.									
In 2024, DLA R&D will use the DLA Joint Enterprise Technology Services JETS 2.0 will be used to acquire IT services from small and large pre-qual Chemist, Food Scientist, and Industrial Engineer labor categories.	(JETS) JETS 2.0 multi-award Indefinite Delivery/Ir ified performers, including R&D Support tasks, with	ndefinite h AM SI	e Quantity (ID ME, AM Tech	וע) contract ו Specialist, E	vehicle. 3iologist,				

Exhibit R-2A, RDT&E Project J	ustification:	: PB 2025 E	Defense Log	istics Agen	су					Date: Ma	ch 2024		
Appropriation/Budget Activity 0400 / 3					R-1 Progra PE 060371 elopment 7	am Elemen 2S / Logisti Technology	t (Number / ics Researc (Log R&D)	Name) h and Dev	Project (N PAM / Pred Simulation	j ect (Number/Name) A I Predictive Analytics / Modeling & ulation			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost	
PAM: Predictive Analytics / Modeling & Simulation	30.633	4.063	3.914	3.942	-	3.942	4.037	4.100	4.215	4.327	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			
 simulation, and other analytics to emerging market and customer r 1. Leverage technological solution 2. Data analytics integration for I information. 3. Explore emergent technologie B. Accomplishments/Planned F 	o improve op requirements ons for data a DLA, the mili es in quantun Programs (\$	erational st s. The object analytics ar itary service n computing in Millions	rategy decis ctives for this nd integratio es and indus g and edge o <u>s)</u>	sion-making s LOE inclu n for dema try: allows computing	g, forecastin ide: nd projectio businesses to enable ad	ng, and proc ns and supp and vendor dvanced and	urement, D oly chain ris rs to aggreg alytics.	LA will achi k managen ate data, ai	eve more ef nent. nalyze it, an	ffective and d transform	d efficient re n it into usef	sponses to ul FY 2025	
Title: Predictive Analytics, Model	ling & Simula	ation Line o	f Effort (R&I	DLOE 3)						4.063	3.914	3.942	
Description: Funding and efforts efforts related to this LOE are our FY 2023 Accomplishments: LTR Program completed Phase I conducting a comprehensive sup developed for Lead Time Predict Supply Chain Risk Management chain. Also, during this time the LTR pro	s for the Pred tlined in the and II of Op oply chain illu ion models t (SCRM) mo	dictive Anal R-2A for Im peration Sly umination in that will pred del was dev	ytics, Model proving Log Boar which to three pro dict the likeli veloped to p	ing & Simu istics Proc was dealt duct lines v hood of on redict impa	lation Line of esses (GLT with an risk vithin DLA. -time delive acts of disru	of Effort beg D) under the and analysi During this t ry using DL ptions and n	ins in FY 2 e LTR prog is of DLA's time Al/ML A and risk o nitigations f	023. FY 202 ram. supplier bas products we lata. A secc or the supp	22 se by ere ond ly				

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: N	Date: March 2024							
Appropriation/Budget Activity R-1 Program Element (Number/Name) Project (Number/Name) 0400 / 3 PE 0603712S / Logistics Research and Dev elopment Technology (Log R&D) PAM / Predictive Analytics / Modeling & Simulation									
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025					
FY 2024 Plans: LTR program will continue predictive analytics research through execution of A identified by the agency leadership, and research incorporating edge computing complement predictive analytics capabilities.	I/ML research based on high value use cases g technology into DLA business processes to								
LTR will continue supply chain risk management research through exploration methods to store classified and unclassified data for supply chain risk analysis and mitigation capabilities will be explored.	of data lakes and other data analytics integrati and AI/ML applications. Additional risk identific	on cation							
One or more block-chain pilot studies will be conducted based on use case res	earch completed in FY 2023.								
<i>FY 2025 Plans:</i> The LTR program will continue to develop more AI/ML models for Supply Chain Continue to explore the integration of AI/ML within DLA to include Large Langu efforts will also be made for the integration of Blockchain for some of DLA's bus (Modeling and Simulation) to improve various business processes. Continue to technologies to safeguard and protect DLA's supply chain, and to improve DLA	n Risk Management and Supply Chain Securit age Models (LLM), such as ChatGPT. Further siness processes, and the use of Digital Twins conduct further research on new emerging s's requirements for data analytics.	y.							
FY 2024 to FY 2025 Increase/Decrease Statement: No significant change from FY 2024 to FY 2025.									
	Accomplishments/Planned Programs Sub	totals 4.063	3.914	3.942					
<u>C. Other Program Funding Summary (\$ in Millions)</u> N/A									

<u>Remarks</u>

D. Acquisition Strategy

DLA R&D primarily uses Broad Agency Announcements (BAA) to competitively award contracts to industry and academic organizations for Advanced Technology Development projects. BAAs allow DLA R&D to see a wide range of technical approaches to address an area of interest or specific requirement. Multiple awards can be made so that the chances of a successful R&D outcome are maximized. BAAs are a flexible way to access all parts of the technology supply chain and structure a contract that satisfies the DOD requirements. To save potential offeror time and money, most BAAs include a short white paper submission that allows stakeholders to determine if the level of interest justifies requesting a full cost and technical proposal. Full proposals resulting from the white paper review are evaluated and move through an expedited evaluation and award process.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: March 2024		
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
0400 / 3	PE 0603712S / Logistics Research and Dev	PAM I Pred	dictive Analytics / Modeling &
	elopment Technology (Log R&D)	Simulation	

Occasionally, DLA may use Other Transact ion Authority (OTA) to rapidly deliver prototype capabilities with design and discovery techniques rather than requirementsbased approaches. OTA agreements are especially useful for advancing technology adoption because they reach non-traditional, small business companies with innovative technologies and have the advantage of being able to go from development into production without a follow-on competitive contract.

In 2024, DLA R&D can use The DLA Joint Enterprise Technology Services (JETS) JETS 2.0 multi-award Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicle. JETS 2.0 will be used to acquire IT services from small and large pre-qualified performers, including R&D Support tasks, with AM SME, AM Tech Specialist, Biologist, Chemist, Food Scientist, and Industrial Engineer labor categories.

Exhibit R-2A, RDT&E Project J	ustification	: PB 2025 E	Defense Log	gistics Ager	псу					Date: Ma	rch 2024	
Appropriation/Budget Activity 0400 / 3					R-1 Progr PE 06037 elopment	am Elemen 12S I Logist Technology	i t (Number / ics Researc (Log R&D)	' Name) ch and Dev	Project (Number/Name) SWM / Smart-Warehouse Modernization			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
SWM: Smart-Warehouse Modernization	29.301	3.192	5.275	6.228	-	6.228	6.308	6.344	6.936	7.092	2 Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
 Increase productivity and efficiency Increase productivity and efficiency Provide enhanced and cyber- The Strategic Distribution & Disperticular to the strategic distribution in the strategic distribution is the strategic di	ctives for this siency throug secure oper position (SDI and disposit	s LOE inclu gh interconn ations D) Program tion requirer novation int	collaborate nents. A ke	nologies an es with DLA y objective	d automatio Distribution of the SDD	n such as e and Dispos Program is	se technolog nhanced in sition Servic to anticipat	ventory ma es to identi e, assess, a	fy legacy ca and meet th	materiel dis apabilities t e current a	stribution, ar nat are inad nd future W	equate for arfighter
identified by the Government Ac B. Accomplishments/Planned	countability Programs (S	Office (GAC	0), 2018 (In <u>s)</u>	ventory Ma	nagement, l	Material Dis	tribution and	d Asset Vis	ibility).	2023	FY 2024	FY 2025
Title: Smart Warehouse Modern	ization Line	of Effort (R	SDLOE 5)							3,192	5.275	6.228

Title: Smart Warehouse Modernization Line of Effort (R&D LOE 5)	3.192	5.275	6.228
Description: Funding and efforts for the Smart Warehouse Modernization Line of Effort began in FY 2023 and is focused on R&D efforts which support the DLA Distribution Modernization initiatives, while the Supply Chain Management and Sustainment (SCMS) program includes emerging initiatives which support DLA's Disposition Operations mission.			
 SDD - 5G Private Network is active at DLA Distribution Albany, GA and ready for testing of 4.0 technologies. Sequential Phase II B Small Business Innovative Research (SBIR) Augmented Reality (AR) case study to prove out DLA's acquisition approach for implementing Augmented Reality (AR) technology for the Warehouse Picking and Stowing processes. Prototype is in progress at both DLA Distribution Anniston, AL and DLA Distribution Oklahoma City, OK. Phase one feasibility study underway with the Naval Postgraduate School to identify a range of alternative solutions and determine the most suitable and feasible forecasting methodology that will fuse information on projected Fleet Material requirements for the DLA Distribution Material Processing Center (MPC) workload predictability. 			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	су	Date: N	larch 2024	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name)PrPE 0603712S I Logistics Research and DevSWelopment Technology (Log R&D)SW	bject (Number/I /M / Smart-Ware	Name) ehouse Model	rnization
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
• SBIR Phase 1: Feasibility Study of an Automated Inventory Technology for the Centers (DCs) submitted, accepted, and received a great number of responses high risk issues identified by the Government Accountability Office (GAO), 2018	e Defense Logistics Agency (DLA), Distribution to help solve the DOD Supply Chain Manageme g (Inventory Management). Selection in process.	nt		
FY 2024 Plans: The Strategic Distribution and Disposition (SDD) program will continue to provide support to DLA Distribution and Disposition Services, and also provide support SDD will continue to engage with Industry, DOD sponsored FFRDCs and UARC areas of research such as 5G Networks, Sensor Internet of Things (IoT), Block- Machine Learning (AI/ML), and leverage the benefits realized f rom proven rese AS/RS, Performance Management, Automated Inventory, 3D Warehouse Mapp Autonomous Guided Vehicles (AGVs), Autonomous Mobile Robots (AMRs), etc collaboration and Integrated System Engineering concepts (test and evaluation	de applied research, analytical, and decision to the Distribution Modernization Program (DMP) Cs leveraging subject -matter expertise in key chain, Quantum Computing, Artificial Intelligence earch studies and pilot projects in the areas of AF bing, and Autonomous/Robotics systems (e.g., c.). SDD will continue to incorporate IPTs for proje) into Distribution projects.	, ct		
FY 2025 Plans: SDD - The Strategic Distribution and Disposition (SDD) program will continue to support to DLA Distribution and Disposition Services, and also provide support SDD will continue to engage with Industry, DOD sponsored FFRDCs and UARCs lev research such as 5G Networks, 5G Technologies, Sensor Internet of Things (Io Intelligence/ Machine Learning (AI/ML), and leverage the benefits realized from supporting DOD Supply Chain Management high risk issues identified by the G Material Distribution Technologies (Goods to Man) and Asset Visibility Technologies	o provide applied research, analytical, and decision to the Distribution Modernization Program (DMP) reraging subject -matter expertise in key areas of T), Blockchain, Quantum Computing, Artificial proven research studies to pilot technologies overnment Accountability Office (GAO), 2018 for ogies.	n		
FY 2024 to FY 2025 Increase/Decrease Statement: Smart-Warehouse Modernization (SWM) baseline was increased in FY 2025 to requirements for 5G/Predictive Analytic capabilities to modernize DLA Distribution	support the Distribution Modernization Program on operations.			
	Accomplishments/Planned Programs Subtota	ls 3.192	5.275	6.228
<u>C. Other Program Funding Summary (\$ in Millions)</u> N/A <u>Remarks</u>				

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: March 2024		
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Dev</i> <i>elopment Technology (Log R&D)</i>	Project (N SWM / Sm	umber/Name) art-Warehouse Modernization

D. Acquisition Strategy

DLA R&D primarily uses Broad Agency Announcements (BAA) to competitively award contracts to industry and academic organizations for Advanced Technology Development projects. BAAs allow DLA R&D to see a wide range of technical approaches to address an area of interest or specific requirement. Multiple awards can be made so that the chances of a successful R&D outcome are maximized. BAAs are a flexible way to access all parts of the technology supply chain and structure a contract that satisfies the DOD requirements. To save potential offeror time and money, most BAAs include a short white paper submission that allows stakeholders to determine if the level of interest justifies requesting a full cost and technical proposal. Full proposals resulting from the white paper review are evaluated and move through an expedited evaluation and award process. SWM has a BAA open through FY 2027.

Occasionally, DLA may use Other Transact ion Authority (OTA) to rapidly deliver prototype capabilities with design and discovery techniques rather than requirementsbased approaches. OTA agreements are especially useful for advancing technology adoption because they reach non-traditional, small business companies with innovative technologies and have the advantage of being able to go from development into production without a follow-on competitive contract.

In 2024, DLA R&D can use The DLA Joint Enterprise Technology Services (JETS) JETS 2.0 multi-award Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicle. JETS 2.0 will be used to acquire IT services from small and large pre-qualified performers, including R&D Support tasks, with AM SME, AM Tech Specialist, Biologist, Chemist, Food Scientist, and Industrial Engineer labor categories.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistics Agency							Date: March 2024					
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)					R-1 Program Element (Number/Name) PE 0603720S <i>I Microelectronics Technology Development and Support (DMEA)</i>)	
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	1,451.165	201.075	144.707	137.246	-	137.246	140.579	146.204	149.695	153.721	Continuing	Continuing
004: Defense MicroElectronics Activity (DMEA)	1,451.165	201.075	144.707	137.246	246 - 137.246 140.579 146.204 149.695 153.721 Conti						Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Microelectronics Activity (DMEA) mission is to leverage advanced technologies to provide microelectronics solutions across the entire spectrum of technology development and system acquisition phases. It is critical to National Security for the Department to maintain technological superiority through microelectronics solutions via partnerships with the Defense Industrial Base, and by alternative means when industry is unable or unwilling to provide them. DMEA provides an in-house capability to quickly develop and deliver timely, cost-effective, technically appropriate solutions to sustain weapon systems, to modernize their capabilities, increase their lethality, address new threats, and meet operational demands. DMEA augments its in-house capability through extensive industry and Government partnerships, which enable streamlined access to a variety of microelectronics technologies and engineering services to enhance responsiveness and develop sources for advanced microelectronics solutions.

DMEA's capabilities are critical in an atmosphere of diminishing domestic semiconductor manufacturing capability and increasing worldwide supply chain risks. The Department has very little influence over the microelectronics industry; the defense market represents less than 0.1% share of the total global semiconductor market. Access to mainstream, State of the Practice (SOTP) and State of the Art (SOTA) technologies is therefore a major and growing challenge. Threats to defense microelectronics include counterfeiting, latent vulnerabilities, malicious insertions, reliability issues particular to military environments, consolidation and off-shoring of manufacturing, rapid obsolescence and diminishing technology availability coming from an unpredictable and unsecured supply chain. In addition, as the Department maintains its weapon systems longer than originally planned, extended use increases demand for sustainment and modernization, which further intensifies the need for DMEA's unique capabilities.

DMEA provides the Department with engineering expertise and laboratories to address the myriad of microelectronics issues and to meet military requirements across the entire spectrum of technology research and development, acquisition, and long-term support. DMEA applies its specialized capabilities to resolve microelectronics issues for hundreds of distinct Department programs across the acquisition lifecycle every year. In addition, DMEA assists the Combatant Commands (COCOMs) including Special Ops, Cyber, Intelligence, and the Radiation-Hard communities.

DMEA also manages the Trusted Foundry Program which provides the Department with access to SOTA microelectronics manufacturing capabilities with the added benefit of Trust when required. This program administers and manages a robust ecosystem of accredited suppliers that meet the Departments requirements for semiconductor assurance per DoDI 5200.44. This program also provides the Department with the most advanced ASIC technology's available in a Trusted or ITAR assurance level. The program also provides for a Multi-Project Wafer (MPW) program that enables the DoD to transfer research and prototyping into production acquisition programs.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defen	se Logistics A	Agency		Date	: March 2024	
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide Advanced Technology Development (ATD)	/ BA 3:	R-1 Program E PE 0603720S /	Element (Number/Name) Microelectronics Technol	logy Development an	d Support (DM	EA)
3. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	<u>FY 2025</u>	Total
Previous President's Budget	207.333	144.707	147.472	-	14	7.472
Current President's Budget	201.075	144.707	137.246	-	13	7.246
Total Adjustments	-6.258	0.000	-10.226	-	-1	0.226
 Congressional General Reductions 	-	-				
 Congressional Directed Reductions 	-	-				
 Congressional Rescissions 	-	-				
 Congressional Adds 	-	-				
 Congressional Directed Transfers 	-	-				
 Reprogrammings 	-	-				
SBIR/STTR Transfer	-6.258	-				
 Program Increases: M365 Enterprise Licensing Upgrade & Non-labor Inflation 	-	-	0.257	-		0.257
Program Decrease	-	-	-10.483	-	-1	0.483
Congressional Add Details (\$ in Millions, and Includes	General Rec	ductions)			FY 2023	FY 2024
Project: 004: Defense MicroElectronics Activity (DMEA)						
Congressional Add: Functional Transfer from line 101,	Trusted and	Assured Microele	ectronics		12.500	-
Congressional Add: Advanced node semiconductors					10.000	-
Congressional Add: Enhanced RF microelectronics pro	oduction			·	35.000	-
Congressional Add: Secure advanced on-shore test ca	apability			·	10.000	-
			Congressional Add Subto	otals for Project: 004	67.500	-
			Congressional Add T	otals for all Projects	67.500	-

Change Summary Explanation

FY 2025 Program Increase: M365 Enterprise Licensing Upgrade - DISA transfer funds to the services and Defense organizations to enable DoD components to buy Microsoft 365 (M365) ES license upgrades for their respective users.

FY 2025 Program Decrease: Reduction to fund higher DoD priorities.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency								Date: March 2024				
Appropriation/Budget Activity 0400 / 3					R-1 Progra PE 060372 y Developr	am Elemen 20S / Microe ment and Su	t (Number/ electronics 7 upport (DME	Name) Fechnolog EA)	Project (Number/Name) 004 / Defense MicroElectronics Activity (DMEA)			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
004: Defense MicroElectronics Activity (DMEA)	1,451.165	201.075	144.707	137.246	-	137.246	140.579	146.204	149.695	153.721	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DMEA maintains an in-house ability to quickly develop and deliver timely, cost-effective, technically appropriate solutions to sustain weapon systems, to modernize their capabilities, increase their lethality, address new threats, and meet operational demands. These funds also support DMEA's ability to partner with industry, other Government agencies, and academia to enable streamlined access to a variety of microelectronics technologies and engineering services.

These funds enable DMEA to provide increasingly rare government microelectronics design, fabrication, and test expertise to DoD programs. DMEA's knowledge of varying military requirements across a broad and diverse range of combatant environments and missions—along with its unique technical perspective—allows it to develop, manage and deliver novel, decisive, quick-turn microelectronics solutions for defense, intelligence, special operations, cyber and combat missions.

These funds allow DMEA to maintain and enhance critical, microelectronics design, aggregation, fabrication, post-processing, assembly, hardware assurance and analysis capabilities to ensure that the Department is provided with solutions that enable or maintain the warfighter's technological superiority over potential adversaries. These solutions use high mix, low volume, unique microelectronics that are endemic to military requirements but are not commercially available. In addition, funding provides for the development and sustainment support necessary to ensure availability of microelectronics technologies in accordance the Department's needs and facilitates the Trusted Supplier Accreditation program required by DoDI 5200.44.

DMEA will continue to manage and operate the Trusted Access Program Office (TAPO) to facilitate DoD and US Government access to state-of-the-art microelectronics manufacturers, including Trusted Foundries, for secure production runs and manufacturing and production planning for wafers, dies, and modules. DMEA will also continue to accredit trusted suppliers and leverage its designation by Secretary Austin as a Center for Industrial Technical Excellence (CITE) and continue to support small runs of DoD-critical microelectronics and semiconductors both inside and outside DoD. The CITE designation also delegates the authority to DMEA to establish Public Private Partnerships (PPP). The Department, other US Agencies, and the Intelligence Community require uninterrupted access to semiconductor processes to produce custom integrated circuits designed specifically for military purposes. DMEA, via the TAPO, partners with industry to provide the required solutions, and the necessary access to commercial SOTA microelectronics semiconductor capabilities to meet confidentiality, integrity, availability, performance and delivery needs. A critical element required to enable continued success is DMEA's protection of the industry partners' valuable Intellectual Property (IP). DMEA is an agile, Government-owned-and-operated organization, providing the structure and confidence necessary to assure them that commercial IP is protected from potential competitors. This strategic and cooperative industry partnership approach allows DMEA to use industry-developed IP by acquiring, installing, and applying them toward meeting the immediate and long-term needs of the Department. This unique capability is essential to all major weapon systems, combat operations, and support needs. As such, DMEA serves the Department, other US Agencies, industry and Allied nations.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen	Date: March 2024					
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603720S <i>I Microelectronics Technolog</i> <i>y Development and Support (DMEA)</i>	Project (Number 004 / Defense Mic (DMEA)	Project (Number/Name) 004 I Defense MicroElectronics Activity (DMEA)			
Programs that DMEA has recently provided critical support to include CH-53E Air Force Air Combat Command, US Army Corps of Engineers, E-3 AWACS, N Power Microwave Office, among many others.	Sea Stallion, Virginia, Class Submarines, Colu /ilitary GPS User Equipment, NASA Parker So	umbia Class Subm olar Probe, Naval F	arines, UH-60 Research Labo	Blackhawk, ratory High		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025		
Title: Defense Microelectronics Activity Accomplishments/Plans		133.575	144.707	137.246		
FY 2024 Plans: DMEA will design, develop, and demonstrate microelectronics concepts, advant operational problems. DMEA will apply advanced technologies to add performat asymmetric threats and to modernize and sustain aging weapon systems. To me years by CCMDs, Special Operations, and the Intelligence Community, DMEA and modernizing its aging laboratory infrastructure, all to meet quick turn solution can rely. DMEA will continue to act as the program manager for the Trusted For with access to state-of-the-art microelectronics semiconductor capabilities with their confidentiality, integrity, availability, performance and delivery needs via the also provides the Services and other agencies with a competitive cadre of accre of their mission critical/essential systems for Trusted integrated circuit compone sources to satisfy state-of-the-art semiconductor requirements. DMEA will foster of Trusted microelectronics, including the work of the DMEA TAPO with comme is not available, DMEA will support the Department in semiconductor assurance	ced technologies, and applications to solve nce enhancements in response to the newest neet the increased missions seen in the last se will extend and refresh capability by recapitality ons on which CCMDs and Special Operations undry Program and will provide the Departme the added benefit of Trust, if necessary, to me the added benefit of Trust, if necessary, to me entrusted Access Program Office. The progra edited Trusted suppliers that can meet the nee ents. The TAPO has contracted with commerce arcial state-of-the-art industry. In areas where e pilots and frameworks as needed.	everal zing nt eet am eds ial upply Trust				
FY 2025 Plans: DMEA will design, develop, and demonstrate microelectronics concepts, advant operational problems. DMEA will apply advanced technologies to add performant asymmetric threats and to modernize and sustain aging weapon systems. To me years by CCMDs, Special Operations, and the Intelligence Community, DMEA and modernizing its aging laboratory infrastructure, all to meet quick turn solution rely. DMEA will continue to act as the program manager for the Trusted Founder access to state-of-the-art microelectronics semiconductor capabilities with the acconfidentiality, integrity, availability, performance and delivery needs via the TA other agencies with a competitive cadre of accredited Trusted suppliers that can systems for Trusted integrated circuit components. The TAPO has contracted we art semiconductor requirements. DMEA will foster all viable alternatives to contracted we art semiconductor requirements. DMEA will foster all viable alternatives to contracted we art semiconductor requirements. DMEA will foster all viable alternatives to contracted we are supplied to the supplice of the superior of the su	ced technologies, and applications to solve nce enhancements in response to the newest neet the increased missions seen in the last se will extend and refresh capability by recapitalit ons on which CCMDs and Special Operations by Program and will provide the Department with added benefit of Trust, if necessary, to meet the PO. The program also provides the Services a n meet the needs of their mission critical/esse with commercial sources to satisfy state-of-the inue the vital supply of Trusted microelectronic	everal zing can ith heir and ntial - cs,				

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agenc	y .			Date: N	larch 2024		
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/ PE 0603720S <i>I Microelectronics T</i> y Development and Support (DMI	Name) Technolog EA)	Project 004 / D (DMEA	t (Number/N efense Micr)	(Number/Name) efense MicroElectronics Activity		
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2023	FY 2024	FY 2025	
including the work of the DMEA TAPO with commercial state-of-the-art industry. support the Department in semiconductor assurance pilots and frameworks as n	In areas where Trust is not availa eeded.	able, DMEA	will				
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2025 baseline was reduced to fund higher DoD priorities.							
A	Accomplishments/Planned Prog	grams Sub	totals	133.575	144.707	137.246	
		FY 2023	FY 20	24			
Congressional Add: Functional Transfer from line 101, Trusted and Assured M	icroelectronics	12.500		-			
FY 2023 Accomplishments: Funds were used to supplement the TAPO MPW p	orogram.						
Congressional Add: Advanced node semiconductors		10.000		-			
FY 2023 Accomplishments: Initiated a pilot phase (engineering trade study) who based "Trusted" 300mm 12nm fab to develop a ferroelectric stack on a 12nm processing boosts in equivalent to three process nodes across both memory	nich utilized an existing U.S. ocess with performance goals / and logic.						
Congressional Add: Enhanced RF microelectronics production		35.000		-			
FY 2023 Accomplishments: Continued TAPO's efforts (phase 4) on scaling and use 200mm Gallium Nitride (GaN) on Silicon (Si) source at a high volume DMEA	d establishing a domestic dual A accredited Trusted Supplier.						
Congressional Add: Secure advanced on-shore test capability		10.000		-			
FY 2023 Accomplishments: Augmented, moved, or increased capacity to TAP the use of the Department.	O's existing secure enclave for						
	Congressional Adds Subtotals	67.500		-			
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A							

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Exhibit R-2, RDT&E Budget Iter	n Justificat	ion: PB 20	25 Defense	Logistics A	gency					Date: Mar	ch 2024	
Appropriation/Budget Activity 0400: Research, Development, Te System Development & Demonst	est & Evalua ration (SDD	ation, Defer	se-Wide I E	BA 5:	R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System							
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	257.100	27.094	32.629	31.916	-	31.916	31.807	32.067	32.917	33.802	Continuing	Continuing
01: Defense Agencies Initiative - Financial System	257.100	27.094	32.629	31.916	-	31.916	31.807	32.067	32.917	33.802	Continuing	Continuing
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 04	491											
and authoritative financial data. I documented in the Defense Ente Capital Fund (DWCF) and Re-Sa B. Program Change Summary (DAI supports rprise Busir ale accountin \$ in Million	s continued ness Systen ng plus a m <u>s)</u>	developme ns program ajor applica	nt and field element 50 tion upgrad	ing of its cu 605070S00 le. <u>FY 202</u>	rrent Increm). Increment 24 <u>F</u>	aent 3 basel 3 will delive	line. Previo er new final <u>se</u>	us funding f ncial capabi	or DAI Incre lities includi	ing Defense	Working
Previous President's Budg	get			23.171	32.62	29	32.5	24		-	32.	524
Current President's Budge	et			27.094	32.62	29	31.9	16		-	31.9	916
Total Adjustments				3.923	0.00	00	-0.6	08		-	-0.0	608
Congressional G	Seneral Red	luctions		-		-						
Congressional E	Directed Rec	ductions		-		-						
Congressional F	Rescissions			-	,	-						
Congressional A	Naas Nire sted Tre			-		-						
Congressional L Peprogramming		nsiers		-		-						
	5 nefer			- 0 710		-						
Program Increase				4 633		-		_		-		_
Program Increase	se [.] Non-labo	or Inflation		4.000 -		_	0.0	64		-	0.0	064
Program Decrea	ise			-		-	-0.6	72		-	-0.0	672
Change Summary Expla	nation											

FY 2025 Program Decrease: Reduction to fund higher DoD priorities.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency									Date: Marc	ch 2024		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name)Project (Number/Name)PE 0605080S I Defense Agencies Initiative (DAI) - Financial System01 I Defense Agencies Initiative System				וe) s Initiative - ו	Financial		
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
01: Defense Agencies Initiative - Financial System	257.100	27.094	32.629	31.916	-	31.916	31.807	32.067	32.917	33.802	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 0491												

A. Mission Description and Budget Item Justification

DAI's mission is to deliver an auditable, CFO Act compliant business environment for Defense customer organizations providing accurate, timely, authoritative financial data supporting the DoD goal of standardizing financial management practices, improving financial decision support, and supporting audit readiness. DAI has replaced multiple non-compliant financial management systems supporting diverse operational functions and the warfighter in decision-making and financial reporting. DAI currently provides the capability to produce timely, auditable reports as noted in seven consecutive annual unmodified System and Organization Controls report (SOC-1).

The primary goal is to deploy a standardized system solution to improve overall financial management and comply with Business Enterprise Architecture (BEA), Standard Financial Information Structure (SFIS)/Standard Line of Accounting (SLOA), and Office of Federal Financial Management (OFFM) requirements. Common business functions within budget execution include the Department's BEA End-to-End (E2E) business processes: Cost Management; Budget to Report (B2R); Procure to Pay (P2P) with enhancements facilitating SFIS/SLOA and DoD procurement data standards and direct Treasury disbursing; Acquire to Retire (A2R) (real property lifecycle accounting only); Hire to Retire (H2R) (Time and Labor reporting and absence management only); Order to Cash (O2C); Proposal to Reward (P2R) (Grants financial management and accounting only; and a phased implementation of Governance, Risk, and Compliance (GCR) capabilities supporting audit readiness). Future Defense Working Capital Fund accounting, and Re-Sale Accounting (for Defense Commissary Agency (DeCA).

The DAI program modernizes the Defense Agencies' financial management processes by streamlining financial management capabilities, addressing financial reporting material weaknesses, and supporting financial statement auditability for the majority of agencies, field activities and non-Service organizations across the DoD. DAI supports a transformation of budget, finance, and accounting processes across participating defense agencies to help improve the quality of financial information, supporting financial auditability and decision-making. The DAI business solution, once fully implemented, will provide a near real-time, web-based system from a ".mil" environment of integrated business processes that will enable in excess of 84,000 Defense Agency financial managers, program managers, auditors, and Defense Finance and Accounting Service (DFAS) representatives to make sound financial business decisions.

The DAI implementation approach deploys a standardized system solution that is consistent with requirements in the Federal Financial Management Improvement Act (FFMIA) and the DoD Business Enterprise Architecture (BEA), while leveraging the out-of-the-box capabilities of the selected Commercial-Off-the-Shelf (COTS) product, Oracle e-Business Suite (EBS), Release 12.2.8 (R12). DAI implemented an Oracle Office of Management and Budget Financial Systems Integration Office (FSIO) qualified COTS financial management business solution with common business processes and data standards. The Program Management Office (PMO) will not develop any objects that are included in core COTS software or services (i.e. vendor data from Federal authoritative sources).

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency Date: March 2024						
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S <i>I Defense Agencies Initiative</i> (<i>DAI</i>) - Financial System	Project (Number/Name) 01 <i>I Defense Agencies Initiative - Financial</i> <i>System</i>				
DAI supports the FY 2022- 2026 Department of Defense Financial Management	nt Strategy. Strategic Goal 2, Optimize taxpay	er dollars for the highest value outcomes;				

DAI supports the FY 2022- 2026 Department of Defense Financial Management Strategy. Strategic Goal 2, Optimize taxpayer dollars for the highest value outcomes; Strategic Goal 3, Increases the integrity of financial results; Strategic Goal 4, Simplify and optimize our end-to-end business environment; and Strategic Goal 5, Empower data-driven, fiscally informed decision making.

DAI is currently implemented at 29 Defense organizations and the Office of the Under Secretary of Defense, Comptroller (OUSD(C)). The program office is also responsible for operational sustainment of the system. The funding requested here is for additional government and contractor support, licenses, maintenance, and hardware to accomplish the remaining capability developments and organizational implementations. From 2017- 2022 DAI received unmodified audit opinions with no comments.

The benefits of DAI are:

• Labor efficiencies (entering data once) and shared across all business processes (modules), workflows and lifecycle in a modern system;

- Reduction in contractor support;
- Financial visibility (Access to real-time financial data transactions);
- Enabling agility and resilience in execution (No silos anyone/anywhere can backfill and work continues);
- Retiring legacy systems;

• Shared common business processes and employment of Federal/DoD Enterprise data standards (i.e., SFIS, SLOA, Procurement Data Standard (PDS) and Procurement Request Data Standard (PRDS)); and

United States Standard General Ledger (USSGL) Chart of Accounts to resolve DoD material weaknesses and deficiencies.

- Reducing reliance on custom Reports, Interfaces, Conversions, Extensions, Forms and Workflows by leveraging application upgrades
- Enhanced Internal controls to ensure accurate data, regulatory compliance and ensuring segregation of duties
- · Significantly reduced data reconciliation requirements; and
- Enhanced analysis and decision support capabilities.

The DAI PMO also provides system integration services that include: acquisition/financial management, project management; configuration management; developing required Reports, Interfaces, Conversions, Extensions, Forms and Workflows (RICE-FW) objects; testing (cyber security, integration, functional, performance, conversion, user acceptance, operational); training (train the trainer/change management preparing the users for the cross functional skills and awareness needed to perform well with an integrated enterprise resource planning system); system deployment; data conversion; information assurance; database administration; as well as studies, coordination/analysis support.

DLA Acquisition (J7) serves as the DAI Milestone Decision Authority (MDA), and DLA Information Operations (J6) provides the Program Executive Officer (PEO), program manager, and PMO staff. The DAI PMO relies on J7 for most contracting support. Defense Information Systems Agency (DISA) data centers provide production, test and development, as well as Continuity of Operations (COOP) hosting, and the Joint Interoperability Test Command (JITC) provides interoperability and performance testing. The DAI PMO serves as systems integrator.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics	Agency	Date: N	/larch 2024				
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S <i>I Defense Agencies Initiative</i> (<i>DAI</i>) - <i>Financial System</i>	Project (Number/ 01 I Defense Agen System	roject (Number/Name) 1 I Defense Agencies Initiative - Final ystem				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025			
Title: Defense Agencies Initiative (DAI) - Financial System		27.094	32.629	31.916			
 Description: In FY 2023, the DAI PMO accomplished: Deployed in 29 organizations at over 4,500 locations worldwide, includir Obtained seven consecutive Unmodified Opinions for the FY 2023 DAI (SSAE) 18 Audit from auditors Ernst and Young at the FY23 DLA SSAE- Deployed Release 5 to over 75K legacy users on 22 October. Deployed full financial capability to the Defense Finance and Accounting Command (NSW) on 25 October. Developed necessary work instructions and training materials. Supported the DoD RMF process to support actions included in the Auti Milestones including an independent FISCAM Test of Design/Test of Effe Authority to Operate. Authority to Operate (ATO) awarded on 2 February. Continued maturity the GRC capabilities by expanding Enterprise contros supporting audit findings, recommendations & CAPs. Maintained technical operations including application of DISA Security T currency for servers operating systems, middleware & applications includ Data Center enclaves; & the daily operation of several interfaces with ext Addressing System (DAAS), as well as established Federal Enterprise sy Obtained an interim Interoperability Certification for Release 5.0. Conducted regular adversarial assessments, Risk Management Framew and a Cooperative Vulnerability and Penetration Assessment. Transitioned to the Cloud Hosting: On 9 Dec 2021 the DAI Functional S the migration of DAI hosting from DISA Data Centers to a commercial clo is expected to increase scalability of DAI for future customer expansion a application assessment to prepare for cloud migration in October 2024. The DAI PMO partnered with the Office of Under Secretary of Defense e (RPA) Team, and DAI user organizations to develop automations for mar and process deviations among users. These automations have increase increasing DAI's auditability, reducing the number of Help Desk tickets re to work on higher-value tasks. During FY23 the DAI RPA	ng 121K personnel and over 90K active users. Statement on Standards for Attestation Engagemen 18 Exit Conference (best outcome). g Service (DFAS) and the Naval Special Warfare horizing Official's (AO) required Plan of Actions and activeness to result in an AO decision to award an obs: Configuration, Access, Prevention & Transaction Fechnical Implementation Guides, hardware & softw ling patches; overseeing internal processes within the ernal systems leveraging DLA Defense Automated vstem web services. work (RMF) continuous monitoring including code se ponsor, OUSD(C) signed a decision memo directing ud hosting solution by October 2023. This migration nd improve system performance. Conducted an (OUSD), Comptroller's Robotic Process Automation by routine financial management entries - reducing of d data quality and decreased process errors, thereb ceived, and freeing DAI PMO sustainment resource d and deployed eighteen (18) attended and unattend	ts ns are e ans, n licks y s led					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Ager	псу	Date: March 2024				
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S <i>I Defense Agencies Initiative</i> (DAI) - Financial System	Project (Number/Name) e 01 I Defense Agencies Initiative - Financ System				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 202	23 FY 2024	FY 2025		
In FY 2024, the DAI PMO plans to transition to the application from an on-pren cloud hosting environment which will provide improved system performance ar future potential customer growth. For FY 2024 and beyond DAI will also contin to include G-Invoicing, MyTravel Implementation, Travel Payment Gateway, ar	nise DISA hosted environment to a commercial ad enable cost-effective scalability to respond to nue to develop and deploy Departmental initiati ad Identity Credential Access Management (ICA	o ves AM).				
 FY 2025 Plans: In FY 2025, the DAI PMO will: Deploy Release 7 to the existing customer organizations. Will develop Release 8 to deploy to customer organizations in Oct 2025. Will develop Release 9 to deploy to customer organizations in Oct 2026. Support 30 organizations as they undergo audit by helping them with answer artifacts to maintain consistency of approach with all that use DAI. Support the OSD Reform Initiatives including ICAM access control and G-Inv and some coding. Maintain Application User Licenses to support additional users and increased growth. Conduct a service provider, independent audit, SSAE-18, and support DLA A package supporting DLA SOC 1 and resolve any identified NOFs. Conduct BEA compliance assessment against the current version (v11.2 for a assessment portal and conduct BPR for newly joining agencies. Resolve critical software errors and critical statutory/regulatory enhancement identified during BPR, BEA compliance assessment and the Audit generated c Support RMF process maintaining activity to support actions included in the A on-premise and Cloud environments. Expand the use of RPA scripts to increase speed of data entry, ensuring data requisition life cycle. 	ing auditor RFIs and helping them locate requir oicing Support, includes monthly progress mee I data storage costs based on application data udit Readiness Office in developing an assertion compliance) document results in the Departme s that affect operations and incorporate change orrective action plans. AO's required POA&M to maintain the ATO in the a accuracy from data entry through the entire	red etings on nt's es poth				
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2025 baseline was reduced to fund higher DoD priorities.						
	Accomplishments/Planned Programs Sub	totals 27.	094 32.629	31.916		
<u>C. Other Program Funding Summary (\$ in Millions)</u> N/A <u>Remarks</u>						

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agen		Date: March 2024	
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
0400 / 5	PE 0605080S / Defense Agencies Initiative	01 I Defens	se Agencies Initiative - Financial
	(DAI) - Financial System	System	

D. Acquisition Strategy

DAI is developed and implemented using an evolutionary/incremental strategy including major annual software releases to accommodate upgrades as required by changes to the Department's BEA including new laws, regulations and policies as governed by its Functional Sponsor.

DAI Increments 1 and 2 are in sustainment. When Increment 3, Release 1 went live in October 2018, it subsumed Increment 2; therefore, only one DAI production baseline exists at any point in time.

Project C	ost Analysis: PB 2	stics Ager	псу						Date:	March 20)24				
t Activity	1				R-1 Program Element (Number/Name)ProjectPE 0605080S / Defense Agencies Initiative01 / D(DAI) - Financial SystemSystem						roject (Number/Name) I I Defense Agencies Initiative - Financial ystem				
it (\$ in M	illions)		FY 2	2023	FY 2	2024	FY 2025 Base		FY 2 OC	2025 CO	FY 2025 Total]			
Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
C/CPFF	Application Development support to DAI : Virginia	19.876	18.474	Mar 2023	27.629	Mar 2024	30.216	Mar 2025	-		30.216	Continuing	Continuing	-	
MIPR	DISA : Fort Meade, MD	2.168	0.389	Oct 2023	-		-		-		-	Continuing	Continuing	Continuing	
MIPR	DLA Finance : Fort Belvoir, VA	0.246	-		-		-		-		-	Continuing	Continuing	Continuing	
Option/ Various	MULTI : MULTI	192.275	-		-		-		-		-	-	-	N/A	
	Subtotal	214.565	18.863		27.629		30.216		-		30.216	Continuing	Continuing	N/A	
e: Global M C/FFP CAC 845 million; Beach, VA Inced Comp A: Pensaco FP Red Riv DFAS: Colu	Iodel Infrastructure C/FF I: Chantilly, VA \$41.422 DAI Data Conversion Si \$1.020 million; Global M pression Licenses \$1.62 Ia, FL \$5.446 million; Ku ver Computer Co: Clarer mbus, OH \$0.377 million	P CACI: Ch million; Glob upport Optio odel CAD C 2 million; Ora rzweil 5000 nont, NH \$0 n.	antilly, VA bal Model F n/FFP Terr /CPFF CS acle Contra 508 Assist .007 million	\$20.594 mill P2P C/FFP II athink: Resto C: Falls Chu act Lifecycle ive Tech Lic n; DISA/DIT	lion; Global BM: Bethes on, VA \$2.8 rch, VA \$3. Manageme enses C/FF CO Delinqu	Model Imple da, MD \$32 57 million; C 205 million; ent Licenses P Envision ent Balance	ementation .018 millior Dracle Time Jaws Profe C/FFP My Technology MIPR DIS,	C/FFP CAC n; Global Mo e & Labor Sc essional Lice thics Inc: Vir y Inc: Bethes A DITCO: Sc	I: Chantilly del A2R C// ftware Lice nses C/FFF ginia Beacl da, MD \$0. cott AFB, IL	, VA \$39.56 CPFF CAC nse and M P Immix: M n, VA \$7.4(008 millior . \$0.017 mi	80 million; II Inc aintenance cLean, VA 08 million; a; Dragon Ilion; and				
	Project C t Activity t Activity t (\$ in M Contract Method & Type C/CPFF MIPR MIPR MIPR MIPR Option/ Various e: Global M C/FFP CAC 345 million; Beach, VA inced Comp A: Pensaco FP Red Riv DFAS: Colu	Project Cost Analysis: PB 2 t Activity tt Activity tt (\$ in Millions) Contract Method & Type Performing Activity & Location C/CPFF Application Development support to DAI : Virginia MIPR DISA : Fort Meade, MD MIPR DLA Finance : Fort Belvoir, VA Option/ Various MULTI : MULTI Subtotal Subtotal e: Global Model Infrastructure C/FF C/FFP CACI: Chantilly, VA \$41.422 Beach, VA \$1.020 million; Global M inced Compression Licenses \$1.62 A: Pensacola, FL \$5.446 million; Ku FP Red River Computer Co: Clarer DFAS: Columbus, OH \$0.377 million	Project Cost Analysis: PB 2025 Defe t Activity tt (\$ in Millions) Contract Method & Type Performing Activity & Location C/CPFF Application Development support to DAI : Virginia 19.876 MIPR DISA : Fort Meade, MD 2.168 MIPR DLA Finance : Fort Belvoir, VA 0.246 Option/ Various MULTI : MULTI 192.275 Subtotal 214.565	Project Cost Analysis: PB 2025 Defense Logi t Activity t (\$ in Millions) FY 2 Contract Method & Type Performing Activity & Location Prior Years Cost Option/ Various Disa : Fort Meade, MD 2.168 0.389 MIPR DLA Finance : Fort Belvoir, VA 0.246 - Option/ Various MULTI : MULTI 192.275 - Subtotal 214.565 18.863 e: Global Model Infrastructure C/FFP CACI: Chantilly, VA C/FFP CACI: Chantilly, VA \$41.422 million; Global Model F B45 million; DAI Data Conversion Support Option/FFP Teres Beach, VA \$1.020 million; Global Model CAD C/CPFF CS Inced Compression Licenses \$1.622 million; Oracle Contra A: Pensacola, FL \$5.446 million; Kurzweil 5000 508 Assisti FP Red River Computer Co: Claremont, NH \$0.007 million	Project Cost Analysis: PB 2025 Defense Logistics Ager t Activity t Activity t (\$ in Millions) FY 2023 Contract Method Performing Activity & Location Prior Years Cost Date 0.7019 Activity & Location Years Cost Date 0.7019 Application 19.876 18.474 Mar 2023 0.7019 DISA : Fort Meade, MD 2.168 0.389 Oct 2023 MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 MIPR DLA Finance : Fort Belvoir, VA 0.246 - - Option/ Various MULTI : MULTI 192.275 - - Subtotal 214.565 18.863 - e: Global Model Infrastructure C/FFP CACI: Chantilly, VA \$20.594 mil - - C/FFP CACI: Chantilly, VA \$41.422 million; Global Model P2P C/FFP II 345 million; DAI Data Conversion Support Option/FFP Terathink: Rester Beach, VA \$1.020 million; Global Model CAD C/CPFF CSC: Falls Chu unced Compression Licenses \$1.622 million; Oracle Contract Lifecycle A: Pensacola, FL \$5.446 million; Kurzweil 5000 508 Assistive Tech Lice FP Red River Computer Co: Claremont, NH \$0.007 million; DISA/DITO DISA/DITO	Project Cost Analysis: PB 2025 Defense Logistics Agency t Activity R-1 Pro PE 060 (DAI) - 1 t (\$ in Millions) FY 2023 FY 2000 (DAI) - 1 t (\$ in Millions) Fy 2023 FY 2023 Contract Method & Type Performing Activity & Location Prior Years Award Cost Award Date Cost C/CPFF Application Development support to DAI : Virginia 19.876 18.474 Mar 2023 27.629 MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 - MIPR DLA Finance : Fort Belvoir, VA 0.246 - - Option/ Various MULTI : MULTI 192.275 - - Subtotal 214.565 18.863 27.629 e: Global Model Infrastructure C/FFP CACI: Chantilly, VA \$20.594 million; Global //FFP CACI: Chantilly, VA \$41.422 million; Global Model P2P C/FFP IBM: Bethes 345 million; DAI Data Conversion Support Option/FFP Terathink: Reston, VA \$2.8 Beach, VA \$1.020 million; Global Model CAD C/CPFF CSC: Falls Church, VA \$3. Inced Compression Licenses \$1.622 million; Oracle Contract Lifecycle Manageme A: Pensacola, FL \$5.446 million; Kurzweil 5000 508 Assistive Tech Licenses C/FF FP Red River Computer Co: Claremont, NH \$0.007 million; DISA/DITCO Delinqu DFAS: Columbus, OH \$0.377 million.	Project Cost Analysis: PB 2025 Defense Logistics Agency t Activity R-1 Program Ele PE 0605080S / D (DAI) - Financial t (\$ in Millions) FY 2023 FY 2024 Contract Method Performing Activity & Location Prior Years Award Cost Award Date Award Cost C/CPFF Application Development support to DAI : Virginia 19.876 18.474 Mar 2023 27.629 Mar 2024 MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 - MIPR DLA Finance : Fort Belvoir, VA 0.246 - - - Option/ Various MULTI : MULTI 192.275 - - - Subtotal 214.565 18.863 27.629 MID & 32 e: Global Model Infrastructure C/FFP CACI: Chantilly, VA \$20.594 million; Global Model Imple //FFP CACI: Chantilly, VA \$41.422 million; Global Model P2P C/FFP IBM: Bethesda, MD \$32 Beach, VA \$1.020 million; Global Model CAD C/CPFF CSC: Falls Church, VA \$3.205 million; inced Compression Licenses \$1.622 million; Oracle Contract Lifecycle Management Licenses & Pensacola, FL \$5.446 million; Kurzweil 5000 508 Assistive Tech Licenses C/FFP Envision ' FFP Red River Computer Co: Claremont, NH \$0.007 million; DISA/DITCO Delinquent Balance DFAS: Columbus, OH \$0.377 million.	Project Cost Analysis: PB 2025 Defense Logistics Agency t Activity R-1 Program Element (N PE 0605080S / Defense A (DAI) - Financial System t (\$ in Millions) FY 2023 FY 2024 Base Contract Method & Type Performing Activity & Location Prior Years Award Cost Award Date Award Cost Award Date Cost C/CPFF Development support to DAI : Virginia 19.876 18.474 Mar 2023 27.629 Mar 2024 30.216 MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 - - - MIPR DLA Finance : Fort Belvoir, VA 0.246 - - - - Option/ Various MULTI : MULTI 192.275 - - - - Subtotal 214.565 18.863 27.629 30.216 - - e: Global Model Infrastructure C/FFP CACI: Chantilly, VA \$20.594 million; Global Model Implementation C/FFP CACI: Chantilly, VA \$41.422 million; Global Model P2P C/FFP IBM: Bethesda, MD \$32.018 millior; 945 million; DAI Data Conversion Support Option/FFP Terathink: Reston, VA \$3.205 million; Oracle Tim Beach, VA \$1.020 million; Global Model CAD C/CFFF CSC: Falls Church, VA \$3.205 million; Jaws Profe funced Compression Licenses \$1.622 million; Oracle Contract Lifecycle Management Lice	Project Cost Analysis: PB 2025 Defense Logistics Agency R-1 Program Element (Number/Na PE 0605080S / Defense Agencies // (DAI) - Financial System t (\$ in Millions) FY 2023 FY 2024 Base Contract Method Performing Activity & Location Prior Years Award Date Award Cost Award Date Award Cost Award Date C/CPFF Application Development support to DAI : Virginia 19.876 18.474 Mar 2023 27.629 Mar 2024 30.216 Mar 2025 MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 - - - MIPR DLA Finance : Fort Belvoir, VA 0.246 - - - - Subtotal 214.565 18.863 27.629 30.216 - Subtotal 214.565 18.863 27.629 30.216 Contract Lifecycle Management Licenses C/FFP CAC: Chantilly, VA \$41.422 Subtotal 214.565 18.863 27.629 30.216 Colspan="4">Colspan="4">Colspan="4">Colspan	Project Cost Analysis: PB 2025 Defense Logistics Agency t Activity R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System t (\$ in Millions) FY 2023 FY 2024 FY 2025 FY 2025 Contract Method Performing Activity & Location Prior Years Cost Award Date Award Cost Award Date Award Cost Award Date Cost Award Cost Award	Project Cost Analysis: PB 2025 Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S 1 Defense Agencies Initiative (DAI) - Financial System Project 01 / De System t (\$ in Millions) FY 2023 FY 2024 FY 2025 Base FY 2025 OCO FY 2025 OCO FY 2025 OCO FY 2025 Date FY 2026 OCO FY 2025 OCO FY 2025 OCO Award Date Award Date	Project Cost Analysis: PB 2025 Defense Logistics Agency Date: t Activity R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number) 01 / Defense Age System t (\$ in MIIIons) FY 2023 FY 2024 FY 2025 FY 2025 FY 2025 FY 2025 FY 2025 FY 2025 Total Contract Method Performing Activity & Location Prior Award Date Award Date Award Cost Award Date Award Cost Award Date Award Cost Award Date Cost Cost Award Date	Project Cost Analysis: PB 2025 Defense Logistics Agency Date: March 20 t Activity R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative System t (\$ in Millions) FY 2023 FY 2024 FY 2025 FY 2025 FY 2025 Total System Contract Method Performing Activity & Location Prior Years Cost Award Date Award Cost Award Date Cost Award Date Cost Award Date Cost Award Date Cost Cost Cost Cost Complete C/CPFF Application Date Virginia 19.876 18.474 Mar 2023 27.629 Mar 2024 30.216 Mar 2025 - 30.216 Continuing MIPR DISA : Fort Meade, MD 2.168 0.389 Oct 2023 -	Index: March 2024 Date: March 2024 t Activity R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative 01 / Defense Agencies Initiative (DAI) - Financial System t (\$ in Millions) FY 2023 FY 2025 FY 2025 FY 2025 Contract Method Performing Application Development support Prior Cost Award Date Cost Award Date Cost Award Date Cost Award Date Cost Award Date Cost Cost Award Date Cost Award Date Cost Cost Cost Cost Award Date Cost Cost Cost Cost Award Date Cost Award Date Cost Cost Cost Cost Cost Cost Cost Cost Cost <th c<="" td=""></th>	

Support (\$ in Million	s)			FY	2023	FY	2024	FY : Ba	2025 ase	FY 2	2025 CO	FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Estimated SBIR/STTR:	TBD	TBD : TBD	5.483	0.710	Jun 2023	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	5.483	0.710		-		-		-		-	Continuing	Continuing	N/A

Remarks

SIBR/SITTR Tax is taken off the topline

DAI is currently looking for alternative solutions of testing, where we may no longer require services from JITC come FY2025.

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	025 Defe	nse Logi	istics Age	ncy						Date:	March 20)24	
Appropriation/Budg 0400 / 5	et Activity	у				R-1 Pr PE 060 <i>(DAI) -</i>	ogram Ele 5080S / L Financial	e ment (N Defense A System	lumber/N Agencies I	ame) Initiative	Project 01 / De System	t (Numbe fense Age	r/ Name) encies Init	iative - Fi	nancial
Test and Evaluation	(\$ in Mill	ions)		FY	2023	FY	2024	FY 2 Ba	2025 ase	FY 2	2025 CO	FY 2025 Total]		
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DISA Hosting: Test and Development	MIPR	DISA : Pensacola, FL	24.850	7.030	Oct 2022	4.000	Oct 2023	0.700	Oct 2025	-		0.700	Continuing	Continuing	Continuing
Interoperability	MIPR	JITC : Fort Meade, MD	5.626	0.079	Oct 2022	0.200	Oct 2023	0.300	Oct 2025	-		0.300	Continuing	Continuing	Continuing
Performance and Regression Testing	MIPR	JITC : Fort Huachuca, AZ	6.002	0.412	Oct 2022	0.800	Oct 2023	0.700	Oct 2025	-		0.700	Continuing	Continuing	Continuing
DCPS Testing	MIPR	DFAS : Indianapolis, IN	0.574	-		-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	37.052	7.521		5.000		1.700		-		1.700	Continuing	Continuing	N/A
Remarks Previous MIPR actions: O	perational Te	est and Evaluation, \$4.74	42 Prior Years	FY	2023	FY	2024	FY 2 Ba	2025 ase	FY 2	2025 CO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	257.100	27.094		32.629		31.916		-		31.916	Continuing	Continuing	N/A
<u>Remarks</u>															

hibit R-4, RDT&E Schedule Profile: PB 2025 Defense Logistics Agency																				Dat	e: M	arch	20	24				
opropriation/Budget Activity 00 / 5								R-1 PE <i>(DA</i>	Pro 060 <i>I) -</i>	ogra 5080 Fina	n El IS / I Incial	eme Defe Sys	nt nse ten	(Nur e Age n	nbe enci	r/Na es //	i me) nitiat	ive	Pro 01 / Sys	ject De stem	t (N i fens	umb se A	er/N genc	ame ies l	}) Initia	ative	- Fi	nan
Γ	F١	′ 20)16			FY 2	2017	,		FY	2018	}		FY	201	9		FY	2020)		FY	2021			FY	2022	2
	2	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
																										_		
	FY	′ 20	23	4	4	FY	2024		1	FY	2025		1	FY	202	6	4	FY	2027		4	FY	2028		4	FY	2029)
	F)	′ 20 ?)23 3	4	1	FY 2	2024 3	4	1	FY 2	2025 3	4	1	FY 2	202 3	6	1	FY 2	2027 3	4	1	FY 2	2028 3	4	1	FY 2	2029)
		FY	FY 20	FY 2016 1 2 3	FY 2016 1 2 3 4	FY 2016 1 2 3 4 1	Defense Logistics Agency FY 2016 FY 2 1 2 3 4 1 2	Defense Logistics Agency FY 2016 FY 2017 1 2 3 4 1 2 3	Defense Logistics Agency R-1 PE (DA) FY 2016 FY 2017 1 2 3 4 1 2 3 4	Defense Logistics Agency R-1 Propriation PE 060 (DAI) - FY 2016 FY 2017 1 2 3 4 1 2 3 4 1	Defense Logistics Agency R-1 Program PE 0605080 (DAI) - Final FY 2016 FY 2017 FY 2017 1 2 3 4 1 2	Defense Logistics Agency R-1 Program El PE 0605080S / L (DAI) - Financial FY 2016 FY 2017 FY 2018 1 2 3 4 1 2 3	Defense Logistics Agency R-1 Program Eleme PE 0605080S / Defe PE 0605080S / Defe (DAI) - Financial Sys 1 1 2 3 4 1 2 3 4	Defense Logistics Agency R-1 Program Element PE 0605080S / Defense (DAI) - Financial System FY 2016 FY 2017 FY 2018 1 2 3 4 1 2 3 4 1	Defense Logistics Agency R-1 Program Element (Nur PE 0605080S / Defense Age (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 1 2 3 4 1 2 3 4 1 2	Defense Logistics Agency R-1 Program Element (Numbe PE 0605080S / Defense Agencie (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 2019 1 2 3 4 1 2 3 4 1 2 3	Defense Logistics Agency R-1 Program Element (Number/Na PE 0605080S / Defense Agencies Ir (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 2019 1 2 3 4 1 2 3 4 1 2 3 4	Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiat (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 2019 1 2 3 4 1 2 </td <td>Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 2019 FY 1 2 3 4 1 2 3 4 1 2</td> <td>Defense Logistics Agency R-1 Program Element (Number/Name) Pro PE 0605080S / Defense Agencies Initiative (DAI) - Financial System 01 // System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 1 2 3 4 1 2 3 4 1 2 3</td> <td>Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project 01 / De System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 1 2 3 4 1 2 3 4 1 2 3 4</td> <td>Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - 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Financial System Project (Number/Name) 01 / Defense Agencies Initia FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 1 2 3 4</td> <td>Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2021 1 2 3 4 1 2 3 4 1 2</td> <td>Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative - Fin System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2022 1 2 3 4 1 2 3 4 1 2 3</td>	Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System FY 2016 FY 2017 FY 2018 FY 2019 FY 1 2 3 4 1 2 3 4 1 2	Defense Logistics Agency R-1 Program Element (Number/Name) Pro PE 0605080S / Defense Agencies Initiative (DAI) - Financial System 01 // System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 1 2 3 4 1 2 3 4 1 2 3	Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project 01 / De System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 1 2 3 4 1 2 3 4 1 2 3 4	Defense Logistics Agency R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Nu 01 / Defense System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 1 2 3 4	Defense Logistics Agency Dat R-1 Program Element (Number/Name) Project (Number/Name) PE 0605080S / Defense Agencies Initiative 01 / Defense Agencies Initiative (DAI) - Financial System System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 1 2 3 4 1 2 3 4 1 2	Defense Logistics Agency Date: Ma R-1 Program Element (Number/Name) Project (Number/N PE 0605080S / Defense Agencies Initiative O1 / Defense Agenc (DAI) - Financial System System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 1 2 3 4 1 2 3 4 1 2 3	Defense Logistics Agency Date: March R-1 Program Element (Number/Name) Project (Number/Name) PE 0605080S / Defense Agencies Initiative 01 / Defense Agencies Initiative (DAI) - Financial System System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 1 2 3 4 1 2 3 4 1 2 3 4	Defense Logistics Agency Date: March 202 R-1 Program Element (Number/Name) Project (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initia FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 1 2 3 4	Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2021 1 2 3 4 1 2 3 4 1 2	Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System Project (Number/Name) 01 / Defense Agencies Initiative - Fin System FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2022 1 2 3 4 1 2 3 4 1 2 3

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Defense Logistics Agency				Date: March 2024			
Appropriation/Budget ActivityR0400 / 5P(L	R-1 Program E PE 0605080S / DAI) - Financia	Element (Numbe I Defense Agenci al System	r/Name) es Initiative	Project (Number/Na 01 / Defense Agencie System	me) es Initiative - Financial		
Schee	edule Details	3					
	[St	art		End		
Events by Sub Project		Quarter	Year	Quarter	Year		
Defense Agencies Initiative (DAI)							
DAI See schedule exhibit for more details		1	2018	4	2025		

Exhibit R-2, RDT&E Budget Iten	n Justificat	i on: PB 202	25 Defense	Logistics A	gency					Date: Marc	ch 2024	
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support					R-1 Progra PE 060550	am Elemen)2S / <i>Small</i>	t (Number / Business In	esearch (SE	BIR)			
COST (\$ in Millions)	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost			
Total Program Element	79.853	11.212	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
01: Small Business Innovative79.85311.2120.0000.00Research						0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Defense Logistics Agency's (DLA's) ability to deliver Americans the right logistics solution in every transaction requires more than successful management of the Agency's wholesale supplies and suppliers. It requires supply chain excellence. Our military's ability to generate and sustain combat readiness indefinitely, anywhere on the globe requires that DLA-managed materiel flow seamlessly and as needed from the nation's industrial base to where it is ultimately used.

DLA's Small Business Innovative Research (SBIR) program seeks to solicit innovative research and development proposals from the small business community to address DLA's strategic and operational requirements. All selections shall demonstrate and involve some technical risk with yet to be determined technical feasibility. Phase I proposals should demonstrate the feasibility of the proposed technology and provide a strong business case for Phase II investment for a prototype or at least a proof-of-concept demonstration. A favorable return on investment and commercialization potential have a strong influence on Phase II selections.

B. Program Change Summary (\$ in Millions)	<u>FY 2023</u>	<u>FY 2024</u>	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	11.212	0.000	0.000	-	0.000
Total Adjustments	11.212	0.000	0.000	-	0.000
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
 SBIR/STTR Transfer 	11.212	-			

Change Summary Explanation

FY 2023:

Defense Logistics Agency (DLA) SBIR/STTR taxes are \$4.953 million and Defense Microelectronics Agency (DMEA) taxes are \$6.258 million.

Exhibit R-2A, RDT&E Project Ju	stification:	PB 2025 D	efense Log	istics Agen	су					Date: Marc	h 2024	
Appropriation/Budget Activity 0400 / 6		R-1 Progra PE 060550 <i>Research</i> (a m Elemen 2S / Small (SBIR)	t (Number/ Business In	Project (N 01 / Small	Number/Name) Il Business Innovative Research						
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
01: Small Business Innovative Research	79.853	11.212	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Small Business Innovation Program (SBIP) explores innovative concepts pursuant to Public Law 106-554 (Small Business Reauthorization Act of 2000) and Public Law 107-50 (Small Business Technology Transfer Program Reauthorization Act of 2001), which mandates a two-phase competition for small businesses with innovative technologies with a defense application as well as a commercial value. The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs will develop new dual-use technologies for possible future DLA operational and sustainment requirements. DLA strives to make it fast and easy for customers to work with our Agency by quickly understanding current requirements and anticipating their future needs. In support of the major subordinate commands and military Services, Small Business Innovation Research (SBIR) helps to ensure readiness and lethality across the end-to-end supply chain by optimizing retail and industrial support, which ultimately reduces risk and increases efficiency, and positions solutions for Warfighter requirements.

Dual-use means the technologies will be judged on their potential for future private sector investment both as a vehicle for reducing development time and cost, unit costs of new DLA technologies, and as a route to national economic growth through new commercial products. DLA will conduct the competition as well as award and manage the contracts.

The DLA's SBIR/STTR investments are divided into multiple Research Areas that are aligned with the National Defense Strategy and the DLA Strategic Plan.

DLA R&D SBIP Strategic Focus Areas

Nuclear Enterprise Support: To maintain nuclear weapons systems readiness, SBIP seeks to qualify alternate sources of supply through the reverse engineering of technical data and/or source approval processes to improve availability for consumable parts for weapons systems with limited or diminishing sources of supply.
 Force Readiness and Lethality: To improve life cycle performance through technological advancement, innovation and reengineering, SBIP strives to mitigate single points-of-failure that threaten the readiness of weapons systems used by our Warfighters.

- Supply Chain Innovation: To maintain a secure and resilient supply chain, SBIP provides opportunities for our small business industrial base to engage in technological innovations that enhance supply chain operations, improve procurement lead times, and reduce life cycle costs.

- Supply Chain Assurance: To ensure supply chain readiness, SBIP endeavors to secure the microelectronics supply chain, adopt industrial base best practices associated with counterfeit risk reduction, and develop a domestic supply of rare earth elements essential to maintain the integrity of DLA's complex supply chain.

DMEA

- Advanced microelectronics concepts, technologies, and applications

- Continue to seek innovative technical solutions to DOD microelectronics research and development needs and increase private sector commercialization of these innovations.

PE 0605502S: *Small Business Innovative Research (SBIR...* Defense Logistics Agency

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics A		Date: M	arch 2024		
Appropriation/Budget Activity 0400 / 6	Projec 01 / Sn	t (Number/N nall Business	lame) s Innovative I	Research	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2023	FY 2024	FY 2025
Title: SBIR Accomplishments/Plans			11.212	-	-
 Description: DLA FY 2023 SBIR/STTR Accomplishments: Grew Small Business capability to combat repair part sourcing challenges and DMSMS through innovation, reverse engineering, and advanced manufered domestic suppliers for critical REEs, and derived materials and recycling technologies for rare earth elements/magnets and qualified product weapons systems (i.e., F-35s/F-16s, JDAMs, turbine engines for various fig - Sponsored innovative manufacturing technologies to enhance supply chai performance (i.e., Fuel Cells, A/C Canopy Seals, Braking Systems, etc.) Developed Additive Manufacturing process monitoring and control system Deposition methods - Transition system to OEMs, Army ARL, Air Force, NA 	associated with weapon system aging, obsolesce facturing techniques parts, such as magnets. Successfully developed cts for a drop-in replacement for high performance hter jets, etc.) n operation and improve weapon system lifecycle for Laser Powder Bed Fusion and Directed Energ SA, and other research institutions.	ence, e gy			
DMEA FY 2023 SBIR/STTR Accomplishments:					
 DMEA FY23 SBIR Accomplishments - The SBIR Program contributed to the technologies, and applications through the following topics initiated in FY23 Automated Measurement of Passive Devices in Printed Circuit Assemblies High Voltage Package Encapsulation using Innovative and Advanced Mate High-G Accelerometers (SBIR PI - two awards) High-G Clock Source (SBIR PI - two awards) Low Cost High Power Opening and Closing Switches (DP2 - one award) Modular Cryogenic Dewar for Radiation Testing (SBIR PI - one award) Ultra-High Voltage Insulated Gate Bipolar Transistor on SiC (DP2 - one aw Ultra Wideband Voltage Controlled Oscillator (SBIR PI - two awards) Vertical Photoconductive Semiconductor Switch (PCSS) & Triggering Asse Synthesizable Register Transfer Logic Assertions (FY22 Phase II) Radiation Shielding (MDA Sequential Phase II (SP2)) BlockChain Supply Chain Enhancement for Trusted and Assured FPGAs a 	e advancement of microelectronics concepts, (SBIR PI - one award) erials (SBIR PI - two awards) vard) embly (SBIR PI - two awards) and ASICs (PII Enhancement)				
DMEA has one FY23 STTR PI Open Topic to report: Applications to Assist Board Assemblies. Award(s) will be made in FY24.	in Analysis and Re-Engineering of Printed Circuit				
	Accomplishments/Planned Programs Sub	totals	11.212	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Log	istics Agency	Date: March 2024
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605502S / Small Business Innovative Research (SBIR)	Project (Number/Name) 01 <i>I Small Business Innovative Research</i>
C. Other Program Funding Summary (\$ in Millions) N/A Remarks N/A D. Acquisition Strategy The SBIR acquisition process seeks to match projects with DLA's Si DLA requirements. DLA solicits all new project execution work throu periods throughout each year. (Jan-Feb, May-Jun, and Sep-Oct)	trategic Focus Areas. The goal is to align SBIR/STTR d ugh the DOD SBIR Broad Agency Announcement (BAA	leveloped technology with current and future). There are three separate solicitation

Exhibit R-2, RDT&E Budget Item	n Justificat	ion: PB 202	25 Defense	Logistics A	gency					Date: Marc	ch 2024	
Appropriation/Budget Activity 0400: Research, Development, Te Operational Systems Developmen	A 7:	R-1 Program Element (Number/Name) PE 0708012S / Pacific Disaster Center										
COST (\$ in Millions)	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost			
Total Program Element	1.861	-	1.861	1.874	1.880	1.925	1.976	Continuing	Continuing			
03: <i>Pacific Disaster Center</i> 20.061 11.442 1.905 1.86					-	1.861	1.874	1.880	1.925	1.976	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Pacific Disaster Center (PDC) is a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. It is functionally within the organization of the Office of the Under Secretary of Defense (Acquisition and Sustainment) (OUSD(A&S)) and the Defense Logistics Agency (DLA). The PDC is a world-recognized authority and leader in science and information technology applications relating to humanitarian assistance and disaster relief (HA/DR). PDC develops new and innovative technologies to operate an (unclassified) integrated multi-hazard monitoring, early warning and decision support system, called DoD RAPIDS, for the Department.

		<u>rt 2025 dase</u>	FY 2025 OCO	<u>FY 2025</u>	<u>5 Total</u>
11.875	1.905	1.896	-		1.896
11.442	1.905	1.861	-		1.861
-0.433	0.000	-0.035	-		-0.035
-	-				
-	-				
-	-				
-	-				
-	-				
-	-				
-0.433	-				
-	-	0.004	-		0.004
-	-	-0.039	-		-0.039
s General Redu	ctions)		ſ	FY 2023	FY 2024
				10.000	-
Congressional Add Subtotals for Project: 03				10.000	-
Congressional Add Totals for all Projects					
	11.875 11.442 -0.433 - - - - - - -0.433 - - s General Redu	11.875 1.905 11.442 1.905 -0.433 0.000 	11.875 1.905 1.896 11.442 1.905 1.861 -0.433 0.000 -0.035 	11.875 1.905 1.896 - 11.442 1.905 1.861 - -0.433 0.000 -0.035 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 0.004 - - - - - 0.039 s General Reductions) Congressional Add Subtotals for Project: 03 Congressional Add Totals for all Projects	11.875 1.905 1.896 - 11.442 1.905 1.861 - -0.433 0.000 -0.035 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 0.004 - - - - - - - - - 0.004 - - - - 0.039 - s General Reductions) FY 2023 - Congressional Add Subtotals for Project: 03 10.000 - Congressional Add Totals for all Projects 10.000 -

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Defense Logistic	Date: March 2024	
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0708012S <i>I Pacific Disaster Center</i>	
Change Summary Explanation	·	
FY 2025 Program Decrease: Reduction to fund higher DoD priorities		
PE 0708012S: Pacific Disaster Center	JNCLASSIFIED	

Exhibit R-2A, RDT&E Project Ju	stification	PB 2025 D	efense Log	istics Agen	ю				1	Date: Mar	ch 2024	
Appropriation/Budget Activity 0400 / 7				R-1 Program Element (Number/Name)ProjPE 0708012S / Pacific Disaster Center03 /				Project (N 03 / Pacific	oject (Number/Name) 3 I Pacific Disaster Center			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
03: Pacific Disaster Center	20.061	11.442	1.905	1.861	-	1.861	1.874	1.880	1.925	1.976	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Quantity of RDT&E Articles Image I									on support s /DR missio nation shari tified as "a p nonitoring e FY rovide H) dget an sk t tivil d o	system, call ns and exe ng systems orimary Join vents and c 2023 F 1.442	led RAPIDS rcises, and v s. "Expanded nt Staff obje crises of inte FY 2024 1.905	, for was d use of ctive" in a rest. FY 2025 1.861

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) Appropriation/Budget Activity Project (Number/Name) PE 0708012S / Pacific Disaster Center 0400/7 03 I Pacific Disaster Center B. Accomplishments/Planned Programs (\$ in Millions) FY 2023 FY 2024 FY 2025 In 2022, the Pacific Disaster Center was recognized as the winner of the United Nations Sasakawa Award for its global efforts related to disaster risk reduction. FY 2023 Accomplishments: -Supported Combatant Command HA/DR efforts with partner countries through analytics and information product development, DisasterAWARE RAPIDS training delivery, TTX planning and execution, and disaster response, including Typhoon Nora (INDOPACOM), Hurricane Ian (SOUTHCOM), Turkey M7.8 earthquake (EUCOM / NATO), USN Comfort and Tradewinds Exercises (SOUTHCOM), South Asia Disaster Response Exercise and Exchange - DREE (INDOPACOM/USARPAC). to name a few. -In collaboration with NASA, extended hazard coverage (Global Flood) by releasing results of nearly two years of joint scientific work, available now in RAPIDS/DisasterAWARE. Global Landsilde, also jointly developed with NASA's team, is also expected to release by Sep '23. -Enhanced DisasterAWARE features with three major releases, growing RAPIDS and DisasterAWARE Pro user base 7% to nearly 28k combined. -Completed and advanced Climate Change Impact (CCI) assessments on impacts to warfighting and military readiness within INDOPACOM and SOUTHCOM AORs. The analysis was used in the commander's briefings, including in comments delivered to the US Congress by the SOUTHCOM commander. -Integrated PDC's Women, Peace, and Security (WPS) analysis as a core component of the John F. Kennedy Special Warfare Center and School Civil Affairs Anti-Slavery Course. -Advanced application of AI to HADR/DRR efforts by enhancing capabilities to semi-automate analysis of global disaster articles to uncover hazards not otherwise detected; PDC chaired World AI Summit, highlighting PDC's "AI for Humanity" program. -Expanded partnerships continuing and extending collaborations with UN/IGO agencies (WFP, UNOCHA, UNDRR, IOM, IFRC, UNICEF), Hawaii Green Growth, iMAPP, and others supporting global DRR programs. -Maui Wildfires (Aug '23): Provided support to the operational (EOC) mapping and information needs to federal, state, and local government agencies, decision makers, and the public. Highlights include mapping critical response data: PDC's estimated damages produced hours after the fires was used in the Hawaii Governor public briefing, and as a basis for requesting Presidential disaster declaration; DisasterAWARE used as main COP (by the state, local, federal agencies, etc.). PDC registered over 520 new RAPIDS/DisasterAWARE users in the two weeks since the event.
Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Agency Date: March 2024 R-1 Program Element (Number/Name) Appropriation/Budget Activity Project (Number/Name) 0400/7 03 I Pacific Disaster Center PE 0708012S I Pacific Disaster Center B. Accomplishments/Planned Programs (\$ in Millions) FY 2023 FY 2024 FY 2025 -National Disaster PBA engagements in Guyana, Ghana, Nepal, Columbia, Palau, Djibouti, Suriname, and 7 ECI counties (Barbados, Grenada, St. Vincent and the Grenadines, St. Lucia, Dominica, Antigua). -Launched Early Warning System capacity development programs in Balkans (Albania, Montenegro, N. Macedonia, Kosovo) in partnership with USFS and EUCOM, and in Timor-Leste in partnership with UN IOM and USAID. FY 2024 Plans: -Enhance the DisasterAWARE platform, and related applications and tools, that directly support operational readiness for multihazard early warning, monitoring and evidence-based decision support functions. These include enhancing (operator-used) application features and functions that integrate, visualize and provide secure, but easy, access to automated and user-generated content that supports regional risk monitoring, impact assessment, planning and alerting for disaster events and exercises. - Develop and deploy advanced applications to enhance multi-hazard monitoring, situational awareness, notification/warning, exposure estimation, and impact modeling and assessments. This includes developing new methods and capabilities to develop. leverage, and maintain innovative technologies such as Artificial Intelligence (AI) to enhance hazard detection or exposure/impact analysis. -Advance analytical capabilities to better support national security interests and critical decision-making. Continue to refine the inclusion of domains directly impacting the safety and security of Americans. Expand the understanding and inclusion of predictive capabilities to estimate the severity of impacts to populations by characterizing the socio-economic, political, health, cultural, climate, and environmental factors that are influencing risk and resilience to support more effective decision-making. -Leverage our subject matter expertise, to enhance Early Warning for All and expand DisasterAWARE capabilities. This is accomplished by curating and integrating high-guality content related to disaster management for the main stakeholders, general public, and PDC partners. Provide rapid and effective response support to direct requests for information or assistance (RFI/RFA) related to DisasterAWARE access, disaster response operations and/or potential acute risks. Key activities include supporting the DoD, U.S. Interagency and crucial regional and international partners with requests for the development and dissemination of situational awareness reports and analytical products. FY 2025 Plans: FY 2025 Annual Plan activities build on the work completed in FY 2024 for sustainment of disaster management tools and services for public benefit. This includes sustainment of DisasterAWARE Pro for use by emergency responders globally; Disaster Alert for the general public; and RAPIDS, the DoD custom version of DisasterAWARE Pro. FY 2025 activities will include investments to enhance DiasterAWARE capabilities to ensure the technology keeps pace with big data and artificial intelligence advancements to enable rapid assessment of information and continued support for DoD CCMD HA/DR requirements. FY 2024 to FY 2025 Increase/Decrease Statement:

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Logistics Age	ncy			Date: M	arch 2024	
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number / PE 0708012S <i>I Pacific Disaster C</i>	'Name) Center	Project (N 03 / Pacific	lumber/N c Disaste	l ame) r Center	
B. Accomplishments/Planned Programs (\$ in Millions)			FY	2023	FY 2024	FY 2025
FY 2025 baseline was reduced to fund higher DoD priorities.						
	Accomplishments/Planned Prog	grams Sub	totals	1.442	1.905	1.861
		FY 2023	FY 2024]		
Congressional Add: Global Water Security Center		10.000	-			
FY 2023 Accomplishments: The Global Water Security Center (GWSC) work knowledge, and training to help key decision makers understand the connection national security, and to leverage knowledge to achieve their missions. Throug Security Impacts, the GWSC supported science applications and analysis of e the water, food, energy, and health nexus. In addition, the GWSC supported do OSD, Joint Staff, and military services anticipate the data and products can be	ked to deliver data, information, on between water security and gh modeling for Water and Climate invironmental (in)security within liverse organizations like CCMDs, e force multipliers.					
	Congressional Adds Subtotals	10.000	-	_		
		1	1			

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

N/A

<u>Remarks</u>

D. Acquisition Strategy

PDC projects beyond the baseline Situational Awareness & Decision Support Applications/Tools architecture (Atlas/DisasterAWARE Pro/RAPIDS) undertaken in support of the DoD Cooperative Agreement (CA) with the University of Hawaii (UH) are from PDC customers (e.g., DoD, NGOs, other nations, academia, and industry). The PDC prepares the public, disaster managers, governments, and others to mitigate the effects of disasters. The goal is to have people and technology work together to preserve life, safeguard livelihoods, protect property to foster disaster-resilient communities. Projects obtained and funded from this customer base serve as a means to determine PDC product and services relevancy. PDC's expanded risk assessments to include scientific measure of Fragility profiles and Women, Peace, and Security (WPS) are received by DoD and other national policy makers as a base to inform the strategic decision-making process.

Exhibit R-3, RDT&E F	Project C	ost Analysis: PB 2	025 Defe	nse Logi	stics Age	псу						Date:	March 20	24	
Appropriation/Budge 0400 / 7	et Activity	,				R-1 Pro PE 070	ogram Ele 8012S / P	ment (N acific Dis	umber/N aster Cei	ame) nter	Project 03 / Pac	(Number	/ Name) ter Cente	r	
Test and Evaluation	(\$ in Milli	ons)		FY 2	2023	FY 2	2024	FY 2 Ba	2025 se	FY 2 OC	2025 CO	FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PDC Disaster AWARE: Early Warning and Decision Support Applications	MIPR	University of Hawaii Systems : Honolulu, HI	16.061	1.442	Dec 2022	1.905	Dec 2023	1.861		-		1.861	Continuing	Continuing	Continuing
Global Water Security Center	MIPR	University of Alabama through the University of Hawaii : Honolulu, HI	4.000	10.000	Apr 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	20.061	11.442		1.905		1.861		-		1.861	Continuing	Continuing	N/A
			Prior Years	FY 2	2023	FY 2	2024	FY 2 Ba	2025 se	FY 2 OC	2025 CO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	20.061	11.442		1.905		1.861		-		1.861	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Defense Logistic	s Ager	ю												[Date	e: Ma	arch 2	2024			
Appropriation/Budget Activity 0400 / 7			R-1 PE	0708	gram E 012S /	lem Pac	ent ific l	(Numl Disaste	oer/N er Ce	lam enter	e)	Pi 03	r oje 3 / P	ct (Nu acific l	mb Disa	er/N aster	ame) Cent	ter			
	FY	2021		FY 2	2024	F	Y 2	2025	F	Y 2	026		FY	2027	7	FY	202	28	FY	202	9
	1 2	34	4	1 2	3 4	1	2	3 4	1	2	3	4	1 2	3	4	1	2 3	4	1 2	2 3	4
Pacific Disaster Center																					
Pacific Disaster Center (PDC)																					

nibit R-4A, RDT&E Schedule Details: PB 2025 Defense Logistics Ag	gency		Date	: March 2024
propriation/Budget Activity 00 / 7	R-1 Program Element (Number PE 0708012S <i>I Pacific Disaster</i> (r/ Name) Center	Project (Numbe 03 / Pacific Disa	r/Name) ster Center
	Schedule Details			
	Sta	art		End
Events by Sub Project	Sta Quarter	art Year	Quarte	End r Year
Events by Sub Project Pacific Disaster Center	Sta Quarter	art Year	Quarte	End r Year

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Exhibit R-2, RDT&E Budget Item	n Justificat	ion: PB 202	25 Defense	Logistics A	gency					Date: Marc	h 2024	
Appropriation/Budget Activity 0400: Research, Development, Te Operational Systems Development	est & Evalua nt	ation, Defen	se-Wide I B	BA 7:	R-1 Progr a PE 070804	am Element 17S / Defens	t (Number /l se Property	Name) Accountabi	lity System	(DPAS)		
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	23.367	3.145	3.249	3.004	-	3.004	3.029	3.038	3.111	3.195	Continuing	Continuing
ABC: DPAS	23.367	3.145	3.249	3.004	-	3.004	3.029	3.038	3.111	3.195	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Property Accountability System (DPAS) provides the Department an asset accountability system which is fully compliant with financial reporting regulations and has a clean audit history. With an integrated accountability, utilization, maintenance, and warehouse capability, DPAS provides the Department an enterprise solution for asset management.

B. Program Change Summary (\$ in Millions)	FY 2023	<u>FY 2024</u>	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	3.264	3.249	3.062	-	3.062
Current President's Budget	3.145	3.249	3.004	-	3.004
Total Adjustments	-0.119	0.000	-0.058	-	-0.058
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-0.119	-			
 Program Decrease: Non-labor Reduction 	-	-	0.005	-	0.005
Program Decrease	-	-	-0.063	-	-0.063

Change Summary Explanation

FY 2025 Program Decrease: Reduction to fund higher DoD priorities.

Exhibit R-2A, RDT&E Project J	ustification	: PB 2025 E	efense Log	jistics Agen	псу					Date: M	arch 2024	
Appropriation/Budget Activity 0400 / 7					R-1 Progra PE 070804 ability Syst	am Elemen 17S I Defens tem (DPAS)	t (Number / se Property	Name) Account	Project (ABC / DF	Number/N หร	ame)	
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 202	Cost To Complete	Total Cost
ABC: DPAS	23.367	3.145	3.249	3.004	-	3.004	3.029	3.038	3.11	1 3.1	95 Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-		-	
The DPAS system provides according budgeted projects will provide engreater enhancements to DPAS B. Accomplishments/Planned	ountability ar nhancement allow the DO	nd manager s to the exis OD to sunse in Million s	ment functic sting capabi st legacy sy <u>s)</u>	nality of Ge lity, ensure stems as D	eneral Equip efficient op PAS assimi	oment, Real eration, and lates the leg	Property and provide so gacy functio	nd Internal l lutions for p nality into tl	Use Softw process ga he overall	are, to the ps as they operations Y 2023	Department. are discover	The ed. The FY 2025
Title: Technical Refresh										3.145	3.249	3.004
Description: During the Technic equipment assets from the warel processes to support the Army to FY 2023 Accomplishments: Improved the SSAE 18 audit to a Order to provide a more efficient	al Refresh, o house portio o field assets a qualified op user interfac	changes to n of the sys from the P ninion from a ce and addi	the system tem will mir rogram Exe an adverse. tional capat	processes ror the proc cutive Offic Completed pilities. Com	will be made cesses in the ces to their f d the technic npleted the i	e so accoun e current Pr ïeld units wi cal refresh o interface wit	iting transac operty Acco Il also be in f the Mainte th the PIEE	ctions for puntability. this version enance Wor GFP modu	The n. k le.			
FY 2024 Plans: Complete the technical refresh w sustainment costs, and improve submitted by various DoD compo	/hich include user experie onents.	s: improve nce and inc	functionality corporate ov	v, increase s ver 600 Sys	scalability, u tem Change	ipgrade pro e Requests	cesses, dec (SCRs) tha	crease t have beer	1			
FY 2025 Plans: Complete technical refresh of all appropriate. Achieve an unmodif seamlessly with each other to im	Accounting ied opinion f	Transactior or the SSAI er experien	l logic to pe E 18 audit. (ce and imp	rmit transac Complete n rove the ac	ctions to be nodifications countability	created in a to ensure a and financia	all modules all modules al reporting	of DPAS wi of DPAS or of assets.	nen perate			
FY 2024 to FY 2025 Increase/D FY 2025 baseline was reduced to	e crease Sta o fund highe	r DoD priori	ties.									
					Accomplis	shments/Pl	anned Prog	grams Sub	totals	3.145	3.249	3.004

Exhibit R-2A, RDT&E Project Justification: PB 2025 Defense Lo	ogistics Agency	Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708047S / Defense Property Account ability System (DPAS)	Project (Number/Name) ABC I DPAS
C. Other Program Funding Summary (\$ in Millions)	· · · · · · · · · · · · · · · · · · ·	
N/A		
Remarks		
D. Acquisition Strategy		
N/A		

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2025 Defe	ense Logi	stics Age	ncy						Date:	March 20)24	
Appropriation/Budg 0400 / 7	et Activity	y				R-1 Pro PE 070 ability S	o gram Ele 8047S / D System (D	e ment (N Defense F PAS)	umber/N Property A	ame) account	Project ABC / L	(Number DPAS	r/Name)		
Product Developme	nt (\$ in M	illions)		FY 2	2023	FY :	2024	FY 2 Ba	2025 se	FY 2 O(2025 CO	FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DPAS Version 7 Development	C/CPIF	Leidos Inc : Camp Hill PA	6.631	-		-		-		-		-	0.000	6.631	6.631
DPAS Development 2020.1	C/FFP	Leidos Inc : Camp Hill PA	3.545	-		-		-		-		-	0.000	3.545	3.545
DPAS Development Version 2021.1	SS/FFP	Leidos, Inc. : Camp Hill Pa	7.034	-		-		-		-		-	Continuing	Continuing	7.301
DPAS Development Version 2022.1	Option/ FFP	Leidos Inc: : Camp Hill, PA	6.157	-		-		-		-		-	Continuing	Continuing	6.390
DPAS Development 2023.1	Option/ FFP	Leidos Inc : Camp Hill, PA	-	3.145	Aug 2023	-		3.004		-		3.004	Continuing	Continuing	-
DPAS Development Version 2024.1	C/FFP	TBD : TBD	-	-		3.249	Sep 2023	-		-		-	Continuing	Continuing	3.233
		Subtotal	23.367	3.145		3.249		3.004		-		3.004	Continuing	Continuing	N/A
			Prior Years	FY	2023	FY	2024	FY 2 Ba	2025 se	FY 2 OC	2025 CO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	23.367	3.145		3.249		3.004		-		3.004	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedul	e Pro	file:	PB 2	025 [Defer	ise Lo	ogisti	cs Ag	gency	/												Da	te: M	arch	2024			
Appropriation/Budget Activi 0400 / 7	ty										R-1 P PE 07 ability	r ogra 70804 9 Syst	am E 17S / tem (Eleme Defe DPA	ent (N ense i S)	Numt Prope	oer/N erty A	ame) Iccou) Int	Proj ABC	ect (I DF	Num AS	ber/N	lame)			
Fiscal Year		FY 2	2023			FY 2	2024			FY 2	2025			FY 2	2026			FY 2	2027			FY 2	028			FY 2	029	
Project Task	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q 4
Research																												
Design																												
Development																												
Testing																										2		
Implementation																										J		
Research																												
Design																												
Development																												
Testing																												
Implementation																												
Research																												
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Development																												
Testing																												
Implementation																												
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TIDIT R-4A , RDT&E Schedule Details: PB 2025 Defense Logistics Agency			Date: Marc	h 2024
oropriation/Budget Activity 0 / 7	R-1 Program Element (Numb PE 0708047S <i>I Defense Prope</i> <i>ability System (DPAS)</i>	er/Name) rty Account	Project (Number/Nam ABC / DPAS	e)
Sch	nedule Details			
	S	tart	En	d
Events by Sub Project	Quarter	tart Year	En Quarter	id Year
Events by Sub Project Defense Property Accountability System (DPAS)	S Quarter	tart Year	En Quarter	id Year