Department of Defense Fiscal Year (FY) 2022 Budget Estimates

May 2021



Defense Logistics Agency

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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FY 2020 Actuals

Includes Division A, Title IX and X of the Consolidated Appropriations Act, 2020 (P.L. 116-93), Division F, Title IV and V from the Further Consolidated Appropriations Act, 2020 (P.L. 116-94) and the Coronavirus Aid, Relief, and Economic Security Act (P.L. 116-136).

FY 2021 Enacted

Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of Defense FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

06 May 2021

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Appropriation	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
Research, Development, Test & Eval, DW	316,218	247,947	251,904
Total Research, Development, Test & Evaluation	316,218	247,947	251,904

R-122BAS: FY 2022 President's Budget (Total Base Published Version), as of May 6, 2021 at 08:44:56

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Department of Defense FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

06 May 2021

Summary Recap of Budget Activities	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
Advanced Technology Development	269,130	215,309	210,782
System Development & Demonstration	31,773	23,552	32,933
Management Support	10,065		
Operational Systems Development	5,250	9,086	8,189
Total Research, Development, Test & Evaluation	316,218	247,947	251,904
Summary Recap of FYDP Programs			
Research and Development	310,968	238,861	243,715
Central Supply and Maintenance	5,250	9,086	8,189
Total Research, Development, Test & Evaluation	316,218	247,947	251,904

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Defense-Wide FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

06 May 2021

Summary Recap of Budget Activities	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
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Defense-Wide FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

06 May 2021

Appropriation	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request
Defense Logistics Agency	316,218	247,947	251,904
Total Research, Development, Test & Evaluation	316,218	247,947	251,904

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Defense-Wide FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item 	Act	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request	S C T
51	06036805	Manufacturing Technology Program	03	50,184	69,025	37,543	υ
53	0603712S	Generic Logistics R&D Technology Demonstrations	03	17,402	10,235	12,418	Ü
55	06037205	Microelectronics Technology Development and Support	03	201,544	136,049	160,821	σ
	Advan	ced Technology Development		269,130	215,309	210,782	
136	0605070s	DOD Enterprise Systems Development and Demonstration	05	2,291	1,377	679	υ
138	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	23,114	20,537	32,254	υ
139	0605090s	Defense Retired and Annuitant Pay System (DRAS)	05	6,368	1,638	•	U
	Syste	em Development & Demonstration		31,773	23,552	32,933	-
169	0605502S	Small Business Innovative Research	06	10,065			υ
	Manag	gement Support		10,065			-
254	07080125	Pacific Disaster Centers	. 07	1,705	1,785	1,799	υ
255	0708047s	Defense Property Accountability System	07	3,545	7,301	6,390	U
	Opera	ational Systems Development		5,250	9,086	8,189	-
Tota	l Research,	Development, Test & Eval, DW		316,218	247,947	251,904	-

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Defense Logistics Agency FY 2022 President's Budget Exhibit R-1 FY 2022 President's Budget Total Obligational Authority (Dollars in Thousands)

06 May 2021

Appropriation: 0400D Research, Development, Test & Eval, DW

Program Line Element No Number	Item	Act	FY 2020 Actual*	FY 2021 Enacted**	FY 2022 Request	S e c -
51 0603680S	Manufacturing Technology Program	03	50,184	69,025	37,543	υ
53 0603712S	Generic Logistics R&D Technology Demonstrations	03	17,402	10,235	12,418	υ
55 0603720s	Microelectronics Technology Development and Support	03	201,544	136,049	160,821	U
Advanced Tea	chnology Development		269,130	215,309	210,782	
136 0605070s	DOD Enterprise Systems Development and Demonstration	05	2,291	1,377	679	υ
138 0605080S	Defense Agency Initiatives (DAI) - Financial System	05	23,114	20,537	32,254	υ
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169 0605502s	Small Business Innovative Research	06	10,065			U -
Management	Support		10,065			
254 0708012S	Pacific Disaster Centers	07	1,705	1,785	1,799	U
255 0708047s	Defense Property Accountability System	07	3,545	7,301	6,390	U
Operational	Systems Development		5,250	9,086	8,189	
Total Defense	Logistics Agency		316,218	247,947	251,904	-

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Line #	Budget Activity	y Program Element Number	Program Element Title	Page
51	03	0603680S	Manufacturing Technology Program (ManTech)Volum	e 5 - 1
53	03	0603712S	Logistics Research and Development Technology (Log R&D) Volume	5 - 17
55	03	0603720S	Microelectronics Technology Development and Support (DMEA)Volume	5 - 27

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activit	y Program Element Number	Program Element Title Pa	age
136	05	0605070S	DoD Enterprise Systems Development and DemonstrationVolume 5 -	- 41
138	05	0605080S	Defense Agencies Initiative (DAI) - Financial System	- 47
139	05	0605090S	Defense Retired and Annuitant Pay System 2 (DRAS2)Volume 5 -	- 59

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Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activit	y Program Element Number	Program Element Title	Page
169	06	0605502S	Small Business Innovative Research (SBIR)Volu	ıme 5 - 65

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activit	y Program Element Number	Program Element Title Pa	age
254	07	0708012S	Pacific Disaster CenterVolume 5 -	69
255	07	0708047S	Defense Property Accountability System (DPAS) Volume 5 -	- 75

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Program Element Table of Contents (Alphabetically by Program Element Title)

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Defense Agencies Initiative (DAI) - Financial System	0605080S	138	05 Volume 5 - 47
Defense Property Accountability System (DPAS)	0708047S	255	07 Volume 5 - 75
Defense Retired and Annuitant Pay System 2 (DRAS2)	0605090S	139	05 Volume 5 - 59
DoD Enterprise Systems Development and Demonstration	0605070S	136	05 Volume 5 - 41
Logistics Research and Development Technology (Log R&D)	0603712S	53	03 Volume 5 - 17
Manufacturing Technology Program (ManTech)	0603680S	51	03Volume 5 - 1
Microelectronics Technology Development and Support (DMEA)	0603720S	55	03 Volume 5 - 27
Pacific Disaster Center	0708012S	254	07 Volume 5 - 69
Small Business Innovative Research (SBIR)	0605502S	169	06 Volume 5 - 65

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Exhibit R-2, RDT&E Budget Item	n Justificat	ion: PB 202	22 Defense	Logistics A	gency					Date: May	2021	
Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I</i> BA 3: <i>Advanced Technology Development (ATD)</i>				A 3:	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology Program (ManTech)</i>							
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	121.222	50.184	69.025	37.543	-	37.543	-	-	-	-	Continuing	Continuing
IBMP: Improving Industrial Base Manufacturing Processes (formerly Material Availability)	57.181	27.724	42.205	13.809	-	13.809	-	-	-	-	Continuing	Continuing
AAA: Maintaining Viable Supply Sources (formerly High Quality Sources)	48.372	16.481	17.854	17.695	-	17.695	-	-	-	-	Continuing	Continuing
OOO: Improving Technical and Logistics Information (formerly Industry and Customer Collaboration)	15.669	5.979	8.966	6.039	-	6.039	-	-	-	-	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, 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 lower.

DLA ManTech is aligned into three Strategic Focus Areas (SFA): 1) Improving Industrial Base Manufacturing Processes (IIBM); 2) Maintaining Viable Sources of Supply (MVSS); and 3) Improving Technical and Logistics Information (ITLI).

• The IIBM SFA includes efforts to reduce industrial base material costs and production lead-times, while improving the quality of DLA managed products. This SFA has supply chain focused execution portfolios for food (Subsistence Network), Castings (Procurement Readiness Optimization—Advanced Casting Technology), Forgings (Procurement Readiness Optimization—Forging Advance System Technology), Batteries (Battery Network) and Additive Manufacturing.

• MVSS includes efforts to assure the commercial industrial base can satisfy DLA materiel requirements without relying on foreign sources for microcircuits. This strategic focus area mitigates supply issues caused by the lack of a reliable domestic manufacturing capability to produce products or raw materials needed to build and maintain weapon systems. The major focus of the program is maintaining a reliable, trusted, domestic source for "non-procurable" linear and digital microcircuits. Microcircuit emulation allows the Services to save significant costs by using form, fit and functionally equivalent spare parts rather than redesigning the next-higher-assembly.

Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics A	gency	Date: May 2021
Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I</i> BA 3:	R-1 Program Element (Number/Name) PE 0603680S / Manufacturing Technology Program (Ma	nTech)
Advanced Technology Development (ATD)		

• The ITLI SFA includes efforts to improve and facilitate the exchange of engineering and logistics information among DLA, the Military Services, DLA industry partners and DLA customers. It includes the Military Unique Sustainment Technology (MUST) and the Defense Logistics Information Research (DLIR) programs. A primary focus of this SFA 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.

DLA's focus for this budget cycle highlights advanced capabilities in digital and technical data modernization, 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 operations costs and improve weapons systems support. This effort spans across both DLA R&D Program Elements and multiple Strategic Focus Areas, impacting across the DoD Joint Defense Manufacturing Technology Panel and DLA Enterprise logistics processes.

. Program Change Summary (\$ in Millions)	<u>FY 2020</u>	<u>FY 2021</u>	FY 2022 Base	FY 2022 OCO	<u>FY 2022</u>	2 Total
Previous President's Budget	50.184	40.025	40.029	-	4	10.029
Current President's Budget	50.184	69.025	37.543	-	3	37.543
Total Adjustments	0.000	29.000	-2.486	-		-2.486
 Congressional General Reductions 	-	-				
 Congressional Directed Reductions 	-	-				
 Congressional Rescissions 	-	-				
 Congressional Adds 	-	29.000				
 Congressional Directed Transfers 	-	-				
 Reprogrammings 	-	-				
 SBIR/STTR Transfer 	-	-				
 Inflation for Civilian Pay 	-	-	0.016	-		0.016
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.950	-		-0.950
 Decrease for Travel 	-	-	-0.062	-		-0.062
 Internal Realignment to LOG PE 0603712S 	-	-	-1.500	-		-1.500
Retired Pay Accrual	-	-	0.010	-		0.010
Congressional Add Details (\$ in Millions, and Includes	s General Redu	<u>ictions)</u>			FY 2020	FY 2021
Project: IBMP: Improving Industrial Base Manufacturing	Processes (form	nerly Material Av	ailability)			
Congressional Add: Improve Steel Performance Initia	tive in Castings				10.000	10.000
Congressional Add: Supply Chain adoption of additive	e manufacturing	, automation, an	d robotics in Castings		-	10.000

PE 0603680S: *Manufacturing Technology Program (ManTec...* Defense Logistics Agency

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	Agency Date:	May 2021	
opropriation/Budget Activity 100: Research, Development, Test & Evaluation, Defense-Wide I BA 3: dvanced Technology Development (ATD)	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology Program (ManTech)</i>)	
Congressional Add Details (\$ in Millions, and Includes General Re	eductions)	FY 2020	FY 2021
Congressional Add: Additive Manufacturing Castings Model		-	5.00
	Congressional Add Subtotals for Project: IBMP	10.000	25.00
Project: OOO: Improving Technical and Logistics Information (former	y Industry and Customer Collaboration)		
Congressional Add: Rare Earth Magnets		-	4.00
	Congressional Add Subtotals for Project: OOO	-	4.00
	Congressional Add Totals for all Projects	10.000	29.00
Inflation for New Dev/New Evel Dunch see as \$0,700 million of the \$0,0			
 Inflation for Non-Pay/Non-Fuel Purchases: \$0.725 million of the \$0.9 for the Defense Microelectronics Activity for non-pay/non-fuel inflation -Decrease for Travel: Defense-Wide activities are directed to maximiz efficient transportation options. -Internal Realignment to LOG PE 0603712S: Funding moved to LOG -Retired Pay Accrual: Agency Contribution Assumption FY 22 rate was 	te their travel funding through the use of technology, such as video for requirements.	22 funding.	

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency									Date: May 2021			
Appropriation/Budget Activity 0400 / 3			R-1 Program Element (Number/Name) Project (Number/Name) PE 0603680S / Manufacturing Technology P IBMP / Implement				lumber/Name) proving Industrial Base pring Processes (formerly Material and the second					
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
IBMP: Improving Industrial Base Manufacturing Processes (formerly Material Availability)	57.181	27.724	42.205	13.809	-	13.809	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Improving Industrial Base Manufacturing Processes Strategic Focus Area (SFA) is an R&D effort undertaken with DLA's suppliers to reduce material costs, reduce the length and variability of production lead-times, assure DLA managed products meet performance requirements, and continuously improve quality and reliability. Benefits of this SFA include lower material costs, lower inventory levels and more predictable customer wait times, fewer quality deficiencies, and lower customer support costs. This SFA includes within its scope the Subsistence Network, the Battery Network, the Castings/Forging programs and Additive Manufacturing programs.

The Subsistence Network (SUBNET) program is the successor to the Combat Rations Network R&D program. SUBNET 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 with the goals of maximizing capability and capacity to produce, and to encourage innovation and modernization needed to leverage the latest technologies. 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 ~2% of National Stock Numbered Class IX parts but represent ~5% of all backorders, and when only the oldest backorders are considered, up to 10% are castings. This program includes tasks that focus on developing new capabilities in the areas of inspection, materials, processes, modeling, and design. Once 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 Associations to identify projects that improve the materials,

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Age	ncy	Date: N	lay 2021				
Appropriation/Budget Activity 0400 / 3	PE 0603680S I Manufacturing Technology P I rogram (ManTech)	Project (Number/I BMP / Improving I Manufacturing Pro Availability)	ndustrial Base				
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 ~2% of National Stock Number (NSN) Class IX parts but represent ~5% of all backorders, and when only the oldest backorders are considered, up to 10% 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 ge life, and lighter batteries with higher energy. BATTNET conducts R&D initiati Readiness Level (MRL) for specific groups of batteries. BATTNET also focus rechargeable and rechargeable batteries to ensure the prompt and sustained include: streamlined inventory and associated cost reductions through standa surge and sustainment issues; enhanced security of supply chain; increased level (Army, Navy, Air Force) and other governmental (DOE, DOT, NASA) R&	ves to address sustainment gaps and bridge tech ses on projects to develop the production capabil availability, quality, and affordability of Service a ardization and improved distribution practices; res competition and manufacturing base; reduced pe	nnical solutions inte ity for advanced lit pproved batteries. solved obsolescenter or unit battery cost	o higher a Ma hium-based n Desired outo ce issues; ado and leverage	nufacturing ion- comes dressed ed Service-			
The Additive Manufacturing (AM) program objective is to establish AM as an benefits. DLA is pursing all AM technology as a lead-time and inventory reduce otherwise non-procurable or susceptible to procurement issues due to an unrecandidates among the population of products that are needed but hard to obtrof 3D digital technical and manufacturing data. In addition, the AM effort incluid logisticians, procurement managers and the vendor base into a seamless AW Warfighter readiness need by reducing production lead times, production cost design and material options. DLA R&D will leverage these efforts with Industri Force), Oak Ridge National Laboratory (ORNL) and the Department of Energy	ction enabler. The AM effort pursues alternate n esponsive manufacturing vendor base. The AM ain, costly or have long manufacturing lead times des the development of the processes that will ti procurement stream. Potential benefits include ts, storage costs, transportation costs and in son y, Academia and ongoing Military Service-level a	neans of supply for effort includes the s. The AM effort re the designers, er products that can a ne cases fuel cons	r products tha identification quires manag ngineers, main address an un umption due t	t are of AM gement ntainers, nfulfilled to lighter			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022			
Title: Improving Industrial Base Manufacturing Processes (formerly Material A	vailability)	17.724	17.205	13.809			
FY 2021 Plans: The Subsistence Network (SUBNET) program will continue to research and e subsistence supply chain. SUBNET will work with community partners (militar latest innovations. SUBNET plans to research and execute projects in FY 202 a Joint Food Management System, Subsistence readiness and innovation as	y services, industry, and academia) to leverage t 1 regarding modernization and readiness analys	he is of					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Ager	су		Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	IBMP /	cturing Prod		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2020	FY 2021	FY 2022
(PFAS) in MRE Packing materials, Identification of critical performance propert MRE rations and Blockchain application for the Outside of Continental U.S. (Of The program will also continue to work Small Business Innovation Research (S cold plasma fog mist to disinfect personnel protective equipment, cold plasma and vegetables, and collaborate with the Defense Advanced Research Projects potential transition partner.	CONUS) Subsistence Prime Vendor supply ch SBIR) topics in Subsistence, for example, using technology to extend the shelf life of fresh fruits	ain.) s			
The Casting program will continue to monitor awarded contracts for projects the technical solutions to ensure a viable and competitive domestic industrial base processes and technology that includes robotic and additive manufacturing me and procedures to evaluate cast materials, computer simulation and modeling casting program works with Academia, industry, and industry associations to conneeds in alignment with the DoD and DLA.	. These projects focus on improving manufact thods and implementation, new test processes to decrease lead-time and increase quality. Th	uring S ne			
The Forging program will execute projects focused on exploring alternative forg production lead-time and costs, modeling and simulation software improvement processing methods These projects will be in alignment with the needs of the the needs of the warfighter.	its and enhancements and improvements to po	ost			
The Battery Network (BATTNET) program will continue new projects for improvision of soldier and system batteries within the DLA supply chain. T battery manufacturing technologies for the supply chain that have been develo low cost materials production or recycling, advanced performance cells, and de	he BATTNET program will also leverage new ped by industry – advanced electrode producti	on,			
The Additive Manufacturing (AM) program, using market research, requests for Announcements (BAA), DLA R&D will fund analysis of alternatives for the best information from several logistics, engineering, legal, and supplier data sources augmented analytics efforts will help identify unseen patterns in the utilization of manufacturing expertise, and manufacturing data to shape an efficient AM distr outcomes include: optimization of polymer and metal AM production to obtain I parts. The Additive Manufacturing (AM) program plans to finance collaborative industry, and academic institutions that enhance the customer engagement wit DLA Enterprise AM efforts will identify the best AM applications to achieve pres	cognitive computing solutions to integrate s into an efficient AM decisional framework. The of AM resources such as machines, materials, ributive manufacturing ecosystem. Desired and, air and sea and expeditionary platform sp technical efforts from the military departments th the AM product management workflows. Over	are			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Age	ncy	C)ate: N	lay 2021	
Appropriation/Budget Activity 0400 / 3	PE 0603680S / Manufacturing Technology P rogram (ManTech)		oving li	,	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2	2020	FY 2021	FY 2022
part fabrication using an AM technical data package in a distributed manufactu warfighters deployed at the expeditionary sea, land or air bases.	uring setting and prove the delivery of AM parts	to			
FY 2022 Plans:					
The Subsistence Network (SUBNET) program plans to continue to research a the subsistence supply chain in FY 2022. SUBNET will continue to incorporate requirements as well as leverage supply chain innovations, best practices and conduct pilot test in the areas of modernization and readiness analysis of Join subsistence visibility enhancing receipting and barcoding at an OCONUS loca 2022 regarding data analytics, wire mesh sensor technology, and automation continue to pursue Small Business Innovation Research topics in Subsistence (military, academia and industry) to promote initiatives in the sensor technology.	e emerging technologies to address stakeholder trends. SUBNET will continue to research and t Food Management System and improving tion. SUBNET plans to conduct research in FY in Military Dining Faculties. The program will als e. The SUBNET program will continue to work w	so so			
The Casting program will continue to monitor awarded contracts for projects the technical solutions to ensure a viable and competitive domestic industrial base processes and technology that includes robotic and additive manufacturing me and procedures to evaluate cast materials, computer simulation and modeling Casting program works with Academia, industry, and industry associations to needs in alignment with the DoD and DLA.	 These projects focus on improving manufact ethods and implementation, new test processes to decrease lead-time and increase quality. The 	uring e			
The Forging program will continue to monitor projects that research, develop a ensure a viable and competitive domestic industrial base. These projects focu alternative forging manufacturing methods, materials to reduce production lear improvements and enhancements and improvements to post processing method DoD and DLA aimed and supporting and fulfilling the needs of the warfighter.	us on improving manufacturing processes and d-time and costs, modeling and simulation softw	vare			
The Battery Network (BATTNET) program will continue to execute projects for and standardization of soldier and system batteries within the DLA supply cha manufacturing technologies for the supply chain that have been developed by materials production or recycling, advanced performance cells, and deep-disc	in. These projects will leverage new battery industry – advanced electrode production, low	cost			
The DLA R&D Additive Manufacturing (AM) program will continue to collabora and Major Subordinate Commands (MSC) to identify technologies that assist v					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense L	Logistics Agency			Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 3	IBMP I Im	ject (Number/Name) IP I Improving Industrial Base nufacturing Processes (formerly Mat ilability)				
B. Accomplishments/Planned Programs (\$ in Millions)			F۱	2020	FY 2021	FY 2022
identification of hard-to-source parts requirements with MILSVC of in order to obtain qualified AM parts that support a DLA customer Model Exchange (JAMMEX) platform will improve DLA's position DoD supply chains. The DLA R&D AM projects will explore innov quality control inspections among DLA, the Military Service cogni of automated requirements' tools based on DoD consensus of AM remote inspection technologies can render repeatable and acceler	r. The convergence of authoritative data in the D to exercise quality assurance of AM parts flowir rative remote inspection capabilities that enable izant engineers and the manufacturing base. The M risk categorization criteria, JAMMEX authorita	DLA Joint AM ng into the interoperable e convergen	e ce			
FY 2021 to FY 2022 Increase/Decrease Statement: Reduction of \$3.000 million for internal realignment: \$2.000 million Additive Manufacturing (AM) to Defense Logistics Information Re (MUST) for increased investment priorities for Digital Data Moder program through improvement to sharing technical data and requ	esearch (DLIR) and Military Unique Sustainment rnization. These investments will continue to ber	Technology nefit the AM				
\$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag	gings is realigned from the ManTech Program E	lement to the	Log			
\$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag decrease was previously taken.	gings is realigned from the ManTech Program E	ement to the \$0.400 million	Log າ	17.724	17.205	13.80
\$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag	gings is realigned from the ManTech Program E ement and Predictive Analytics. The additional \$	ement to the \$0.400 million	Log າ	17.724	17.205	13.80
\$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag	gings is realigned from the ManTech Program El ement and Predictive Analytics. The additional S Accomplishments/Planned Pro	ement to the \$0.400 million	Log n otals		17.205	13.80
\$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag decrease was previously taken.	gings is realigned from the ManTech Program Ele ement and Predictive Analytics. The additional Accomplishments/Planned Pro stings ent-industry network to develop automated out requiring custom programming for y processes improvements will extract eling, design and process optimization, and	ement to the 0.400 million ograms Subt	Log otals FY 2021		17.205	13.80
 \$0.500 million from Battery Network and \$0.500 million from Forg R&D Program Element for increased investments in Data Manag decrease was previously taken. Congressional Add: Improve Steel Performance Initiative in Case FY 2020 Accomplishments: Began work to develop a governme design processes to allow small lot size, low rate production with each part. Steel alloy development and manufacturing technology higher performance from steel components through utilizing mode 	aings is realigned from the ManTech Program Ele ement and Predictive Analytics. The additional Accomplishments/Planned Pro stings ent-industry network to develop automated out requiring custom programming for y processes improvements will extract eling, design and process optimization, and DT) standards for component qualification. nitiative that includes: Steel Alloy Development ance Modeling; Advanced Testing &	ement to the 0.400 million ograms Subt	Log otals FY 2021		17.205	13.80

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agen	Date: May 2021			
Appropriation/Budget Activity 0400 / 3	PE 0603680S I Manufacturing Technology P IB rogram (ManTech)		IBMP I Imp	ring Processes (formerly Material
		FY 2020	FY 2021]
FY 2021 Plans: Continue projects to improve the Casting supply chain through for process analysis and improvements and design optimization; additive manu robotics in castings processes to improve quality and production lead times.				
Congressional Add: Additive Manufacturing Castings Model		-	5.000	
FY 2021 Plans: Explore additive manufacturing technology application to Digita study of the Casting industry for additive manufacturing technology, research be investment casting molds, and improve surface finish of casting produced from	nder jet printing method for			
	Congressional Adds Subtotals	10.000	25.000	

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

N/A

<u>Remarks</u>

D. Acquisition Strategy

The DLA R&D program is executed through Delivery Orders placed on Indefinite Delivery/Indefinite Quantity Contracts that resulted from competitive Broad Agency Announcements and through interagency agreements with the Military Services when it is cost effective and/or provides some technical advantage, e.g. improves the probability of successful transition. DLA also has a continuously open Broad Agency Announcement for Emerging Technologies.

Exhibit R-2A, RDT&E Project Ju	stification:	PB 2022 D	Defense Log	jistics Agen	icy					Date: Ma	ay 2021		
Appropriation/Budget Activity 0400 / 3					PE 0603680S / Manufacturing Technology P AAA				AAA I Mai	roject (Number/Name) AA I Maintaining Viable Supply Sources ormerly High Quality Sources)			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2020	Cost To Complete	Total Cost	
AAA: Maintaining Viable Supply Sources (formerly High Quality Sources)	48.372	16.481	17.854	17.695	-	17.695	-	-	-		- Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-		
The Program Roadmap has two	major thrust	s areas: Dig	gital Microci	rcuits and I	_inear/Analo	og Microcirc	uits. The p	rogram has	several pro	ojects add	ressing spec	ific classes	
The Program Roadmap has two is of obsolescent microcircuit technic concern. These are classes of m Roadmap, DLA will not be able to	ologies. Ov iicrocircuits	er the past that are exp	several yea	ars, obsoles ecome non-	cence in thi procurable	s class of m in FY 2020 a	nicrocircuits and beyond	has greatly . Without t	increased	and has b ogies plan	ecome a sigi	nificant	
of obsolescent microcircuit technic concern. These are classes of m Roadmap, DLA will not be able to B. Accomplishments/Planned P	ologies. Ov nicrocircuits o support Do Programs (\$	er the past that are exp D's require in Millions	several yea bected to be ements for h	ars, obsoles ecome non- igh quality	cence in thi procurable	s class of m in FY 2020 a	nicrocircuits and beyond	has greatly . Without t	increased he technolo subsystem	and has b ogies plan s. / 2020	FY 2021	nificant AE FY 2022	
of obsolescent microcircuit techno concern. These are classes of m Roadmap, DLA will not be able to <u>B. Accomplishments/Planned P</u> <i>Title:</i> Maintaining Viable Supply S	ologies. Ov nicrocircuits o support Do Programs (\$	er the past that are exp D's require in Millions	several yea bected to be ements for h	ars, obsoles ecome non- igh quality	cence in thi procurable	s class of m in FY 2020 a	nicrocircuits and beyond	has greatly . Without t	increased he technolo subsystem	and has b ogies plan s.	ecome a sign ned on the M	nificant AE FY 2022	
of obsolescent microcircuit technic concern. These are classes of m Roadmap, DLA will not be able to B. Accomplishments/Planned P	ologies. Ov icrocircuits o support Do programs (\$ Sources (for its first Linea additional additional nd the seco ues to addre	er the past that are exp D's require in Millions merly High ar/Analog te digital techr nd will addr ess Microci	several yea bected to be ements for h Quality Sou echnology proje ress Dual-P rcuit Cases	ars, obsoles ecome non- igh quality irces) project, 20 V ects into full ort Memory	cence in thi procurable spare parts /olt Operationscale productionscale produc	s class of m in FY 2020 a for critical e onal Amplifie uction. The ts. MAE wi	nicrocircuits and beyond electronic sy er, into full s first will add Il continue o	has greatly J. Without t vstems and scale produc dress TTL developmer	r increased he technolo subsystem FY ction.	and has b ogies plan s. / 2020	FY 2021	nificant AE FY 2022	
of obsolescent microcircuit technic concern. These are classes of m Roadmap, DLA will not be able to <u>B. Accomplishments/Planned P</u> <i>Title:</i> Maintaining Viable Supply S <i>FY 2021 Plans:</i> AME will complete and transition It will also complete and transition compatible CMOS microcircuits a of Additive Manufacturing techniq	ologies. Ov icrocircuits o support Do rograms (\$ Sources (for its first Linea additional of nd the seco ues to addre based on cu e specific en d Agency re ammable Ga	er the past that are exp D's require in Millions merly High ar/Analog te digital techr nd will addr ess Microci stomer requirements anulation tec quirements ate Array (F	several yea bected to be ements for h s) Quality Sou echnology proje ress Dual-P rcuit Cases uirements. hnology imp . It will begin PGA) micro	ars, obsoles ecome non- igh quality urces) oroject, 20 V ects into full ort Memory . It will beg olementation n developin ocircuits. It v	/olt Operations constructions to support of the sup	s class of m in FY 2020 a for critical e onal Amplifie action. The ts. MAE wi I Linear/Ana ort specific d ge digital m	nicrocircuits and beyond electronic sy first will add Il continue o alog emulati levice family icrocircuit t	has greatly d. Without t ystems and scale produc dress TTL developmer ion projects y groups echnology	r increased he technolo subsystem FY ction.	and has b ogies plan s. / 2020	FY 2021	nificant AE FY 2022	
of obsolescent microcircuit technic concern. These are classes of m Roadmap, DLA will not be able to B. Accomplishments/Planned P <i>Title:</i> Maintaining Viable Supply S <i>FY 2021 Plans:</i> AME will complete and transition It will also complete and transition compatible CMOS microcircuits a of Additive Manufacturing techniq types/groups of parts, prioritized to <i>FY 2022 Plans:</i> AME will continue planning for the in consonance with Customer and to support re-hosting Field-Program	ologies. Ov icrocircuits o support Do programs (\$ Sources (for its first Linea additional of nd the seco ues to addre based on cu e specific en d Agency re ammable Ga os of parts, p	er the past that are exp D's require in Millions merly High ar/Analog te digital techr nd will addr ess Microci stomer requirements ate Array (F prioritized b	several yea bected to be ements for h s) Quality Sou echnology proje ress Dual-P rcuit Cases uirements. hnology imp . It will begin PGA) micro	ars, obsoles ecome non- igh quality urces) oroject, 20 V ects into full ort Memory . It will beg olementation n developin ocircuits. It v	/olt Operations constructions to support of the sup	s class of m in FY 2020 a for critical e onal Amplifie action. The ts. MAE wi I Linear/Ana ort specific d ge digital m	nicrocircuits and beyond electronic sy first will add Il continue o alog emulati levice family icrocircuit t	has greatly d. Without t ystems and scale produc dress TTL developmer ion projects y groups echnology	r increased he technolo subsystem FY ction.	and has b ogies plan s. / 2020	FY 2021	nificant AE	

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Age	ncy		Date: May 2021
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	AAA I Maii	umber/Name) ntaining Viable Supply Sources ligh Quality Sources)
C. Other Program Funding Summary (\$ in Millions)			

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

N/A

<u>Remarks</u>

D. Acquisition Strategy

The DLA R&D program is executed through Delivery Orders placed on Indefinite Delivery/Indefinite Quantity Contracts that resulted from competitive Broad Agency Announcements and through interagency agreements with the Military Services when it is cost effective and/or provides some technical advantage, e.g. improves the probability of successful transition. DLA also has a continuously open Broad Agency Announcement for Emerging Technologies.

Exhibit R-2A, RDT&E Project Ju	stification:	PB 2022 D	Defense Log	istics Agen	су					Date: May	2021	
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) Project PE 0603680S / Manufacturing Technology P OOO / rogram (ManTech) Information				000 I Imp	(Number/Name) Improving Technical and Logistics tion (formerly Industry and Customer ration)		
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
OOO: Improving Technical and Logistics Information (formerly Industry and Customer Collaboration)	15.669	5.979	8.966	6.039	-	6.039	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Improving Technical and Logistics Information (ITLI) SFA projects improve and facilitate the communication of technical and logistics information among industry, DLA's military customers and DLA. This SFA includes the Military Unique Sustainment Technology (MUST), the Defense Logistics Information Research (DLIR), and the Emergent Manufacturing Technology (EMT) portfolios within its scope.

The Military Unique Sustainment Technology (MUST) program's focus 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 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 shorten the time needed to transition Combat Uniforms and Individual Equipment from development to operational use from years to months. 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 automated environment. The resulting approach will be a neutral platform that will seamlessly communicate military unique technical requirements throughout the end-to-end supply chain.

The Defense Logistics Information Research (DLIR) program researches core technology to improve the quality, security, and interoperability of logistics data acquisition and management to enable and streamline DLA operations. DLA enables transformation of 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). This transformational shift for DLA is driven by the Model-Based Enterprise (MBE) approach, the way industry is delivering design and development data for weapon systems to the Military Services and the way the Military Services in turn manage and provide the data to DLA. DLA Logistics Operations, DLA Acquisition, DLA Tech/Quality, and DLA's Major Subordinate Commands (MSCs) are key stakeholders in the DLIR initiatives to modernize the representation and delivery of weapons systems data.

The EMT program addresses emerging and out of cycle requirements that always occur as DLA strives to maintain readiness of the aging weapon systems.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Improving Technical and Logistics Information (formerly Industry and Customer Collaboration	5.979	4.966	6.039

PE 0603680S: *Manufacturing Technology Program (ManTec...* Defense Logistics Agency

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Ag	ency		Date: N	lay 2021			
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603680S <i>I Manufacturing Technology P</i> <i>rogram (ManTech)</i>	000 I Informa	Project (Number/Name) DOO I Improving Technical and Logistics nformation (formerly Industry and Custome Collaboration)				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2020	FY 2021	FY 2022		
<i>FY 2021 Plans:</i> The Military Unique Sustainment Technology (MUST) program is developing Uniform and Individual Equipment (CUIE) item development and sustainmen integrated prototype tools. MUST I will transition three prototype capabilities emphasize the interface with the Military Services and the integration with DL advances DLA Troop Support C&T and their supporting Industrial Base towa The Defense Logistics Information Research (DLIR) program will continue the (MBE) project to modernize the process to obtain current Technical Data Pac Management (PLM) systems of the Military Services' ESAs and PMOs. DLIF Service organizations, including the ESAs and PMOs, to guide and influence DLA and its supplier needs. Additionally, DLIR will explore the ability of comm techniques to improve the security of TDPs and support the eventual develop the Future" (COTF) by identifying and prototyping new cleansing tools and m DLIR will continue to support DLA's Technical Data Management Transforma architecture design and continue to collaborate with USACE to develop a cyte Operational Technology systems after a cyber-attack.	t by streamlining joint processes and developing and begin work on MUST II objectives which . A Industrial Base. The MUST-II development rd a Model Based Enterprise / Industry 4.0 capa e Connecting the Model-Based Enterprise ckages (TDPs) directly from the Product Lifecycle will also develop standard guidance for Military generation of 3D model-based TDPs that will su nercial Digital Rights Management (DRM) tools a coment of functional requirements for the "Catalog tethods while simultaneously cleansing data. Fin ation (TDMT) efforts to determine the future state	bility. e upport and g of ally, e IT					
The EMT program continues to enable DLA's investigation of new disruptive in the nearer term, without degrading well established program efforts. This technologies sooner in order to provide to the warfighter earlier. Small Busin (which cannot be funded with SBIR funds) are a prime example of activities t emerging magnetic braking technologies, and addressing strategic materials Manufacturing by developing a comprehensive approach to take advantage of three-dimensional (3D) visualization, analytics and various collaboration tools warfighter.	program enables the Agency to advance those less Innovation Research (SBIR) phase III efforts hat will be funded with these funds, examples in shortage/risk. Efforts will continue to advance I of integrated, computer-based systems of simula	clude Digital Ition,					
FY 2022 Plans: Military Unique Sustainment Technology (MUST) II will continue to combat primproving a) the modernization of specifications with correct, current, and contand outdated information; b) collaboration between the Services and DLA to equipment items; and c) the availability of credible, reliable, and timely data a effective supply chain decisions. MUST II will develop more powerful AI base	mplete requirements to eliminate errors, omissio increase "jointness" of uniform and individual and analysis tools so DLA C&T managers can m	ns,					

PE 0603680S: *Manufacturing Technology Program (ManTec...* Defense Logistics Agency

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Age	ency	Date:	May 2021				
Appropriation/Budget Activity 0400 / 3	PE 0603680S I Manufacturing Technology P rogram (ManTech)	000 I Improving	formation (formerly Industry and Custom				
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022				
technical data into digital models. All new item technical requirement informat using one of the MUST I developed and implemented tools – the Supply Requ all the Military Services and other DLA customers when items are introduced II will work with the Services to promote the use of data formats that are comp Digital document models will become the "single source of truth" for technical all stakeholders. These models can be efficiently managed (queried, analyze directly to manufacturing processes. Joint processes will be reengineered to tools and interfaces will also be developed to improve digital model utility for technical DLIR will continue to support DLA's Technical Data Management Transformation	uest Package (SRP). The SRP is being used by into DLA Troop Support for sustainment. MUST patible with the digital document model paradigm requirements and provide common visibility to ed, updated) and will be capable of supplying dat take advantage of the digital model data. Protot the industrial base.	a					
needs and to ensure DLA's MBE architecture meets/exceeds DoD compliance irrespective of platforms. DLIR will also explore Digital Manufacturing Enterpre from items to on-demand manufacturing capacity. This contracted capacity of existing procurement process, rather than triggering multiple individual process Digital Rights Management (DRM) tools and techniques to improve the secur of functional requirements for the "Catalog of the Future" (COTF) by identifyin methods while simultaneously cleansing data. Finally, DLIR will look for oppo manufacturing, digital twin, digital thread, cybersecurity, and supply chain res training DLA employees and small and midsize contractors on MBE.	ise models that shift procurement strategy orient can be tapped repeatedly on demand using an sses. Additionally, DLIR will continue exploring ity of TDPs and support the eventual development of and prototyping new cleansing tools and rtunities to collaborate with MxD focusing on digit	ation nt tal					
The EMT program continues to enable DLA's investigation of new disruptive to in the nearer term, without degrading well established program efforts. This p technologies sooner in order to provide to the warfighter earlier. Small Busine (which cannot be funded with SBIR funds) are a prime example of activities the emerging magnetic braking technologies, and addressing strategic materials Manufacturing by developing a comprehensive approach to take advantage of three-dimensional (3D) visualization, analytics and various collaboration tools warfighter.	program enables the Agency to advance those ess Innovation Research (SBIR) phase III efforts hat will be funded with these funds, examples inc shortage/risk. Efforts will continue to advance D of integrated, computer-based systems of simular	lude igital ion,					
FY 2021 to FY 2022 Increase/Decrease Statement: -Increase of \$2.000 million from internal realignment within the ManTech Prog Manufacturing (AM), to Defense Logistics Information Research (DLIR) and N	•	for					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency			Date: N	1ay 2021	
Appropriation/Budget Activity R-1 Program Element (Num 0400 / 3 PE 0603680S / Manufacturing rogram (ManTech) PE 0603680S / Manufacturing		Logistics nd Customer			
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2020	FY 2021	FY 2022
increased investment priorities for Digital Data Modernization. These investments will continue to benefit the improvement to sharing technical data and requirements with the industrial base, a critical component to AM\$0.725 million reduction for Inflation for Non-Pay/Non-Fuel Purchases was incorrectly coded to Manufacturin		hrougn			
under the Improving Technical and Logistics Information (ITLI) Strategic Focus Area (SFA) and was intended Microelectronics Activity for non-pay/non-fuel inflation. The funding will be adjusted correctly upon enactment	for the Defens of FY 2022 fu	inding.			
under the Improving Technical and Logistics Information (ITLI) Strategic Focus Area (SFA) and was intended	for the Defens of FY 2022 fu	inding.	5.979	4.966	6.039
under the Improving Technical and Logistics Information (ITLI) Strategic Focus Area (SFA) and was intended Microelectronics Activity for non-pay/non-fuel inflation. The funding will be adjusted correctly upon enactment	for the Defens of FY 2022 fu	inding. btotals		4.966	6.039
under the Improving Technical and Logistics Information (ITLI) Strategic Focus Area (SFA) and was intended Microelectronics Activity for non-pay/non-fuel inflation. The funding will be adjusted correctly upon enactment	for the Defens of FY 2022 fu Programs Su	btotals		4.966	6.039
under the Improving Technical and Logistics Information (ITLI) Strategic Focus Area (SFA) and was intended Microelectronics Activity for non-pay/non-fuel inflation. The funding will be adjusted correctly upon enactment Accomplishments/Planned	for the Defens of FY 2022 fu Programs Su FY 2020	btotals	21	4.966	6.039

N/A

<u>Remarks</u>

D. Acquisition Strategy

The DLA R&D program is executed through Delivery Orders placed on Indefinite Delivery/Indefinite Quantity Contracts that resulted from competitive Broad Agency Announcements and through interagency agreements with the Military Services when it is cost effective and/or provides some technical advantage, e.g. improves the probability of successful transition. DLA also has a continuously open Broad Agency Announcement for Emerging Technologies.

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Exhibit R-2, RDT&E Budget Item	Igency				Date: May 2021							
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&</i>						Log R&D)	
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	63.866	17.402	10.235	12.418	-	12.418	-	-	-	-	Continuing	Continuing
EMM: Enhancing Analysis, Modeling, and Decision Support (formerly Analytic & Decision Support)	12.512	2.611	2.729	2.782	-	2.782	-	-	-	-	Continuing	Continuing
GLTD: Improving Logistics Processes (formerly Logistics Process)	23.070	2.437	4.044	5.116	-	5.116	-	-	-	-	Continuing	Continuing
04: Emergent Logistics R&D Requirements (formerly Innovative Products & Services for DLA Customers)	28.284	12.354	3.462	4.520	-	4.520	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Logistics Agency (DLA) is responsible for providing to the Military Services, and other Federal Agencies, as well as combined and allied forces the full spectrum of logistics, acquisition and technical services. DLA sources 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 and equipment, and more than 85 percent of the military's spare parts. DLA also provides logistics services including logistics information data, manages the reutilization of military equipment, and documents automation and production services. DLAs Logistics Research and Development (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 DLA Log R&D program is organized into three Strategic Focus Areas (SFAs):

• Enhancing Analysis, Modeling, and Decision Support (EAMD): R&D efforts to develop decision support tools, such as modeling, simulation, and other analytics to improve operational strategy decision-making, forecasting, and procurement, which support more effective and efficient responses to emerging market and customer requirements.

Improving Logistics Processes (ILP): R&D efforts to develop and implement advanced technology in logistics processes over and above current baseline systems.
Emergent Logistics R&D Requirements (ELR): R&D efforts to support emergent Logistics R&D requirements that arise out of the budget cycle. These out of cycle requirements always occur. This SFA begins new projects in a timely manner without disrupting ongoing projects by funds reallocation. This SFA scope includes all DLA supply chains and logistics processes.

hibit R-2, RDT&E Budget Item Justification: PB 2022 Defe		Date: May 2021						
propriation/Budget Activity 00: Research, Development, Test & Evaluation, Defense-Wid vanced Technology Development (ATD)		R-1 Program Element (Number/Name) PE 0603712S <i>I Logistics Research and Development Technology (Log R&D)</i>						
A's focus for this budget cycle highlights advanced capabiliti gital Engineering Strategy and improve sharing of data with the aterial acquisition and operations costs and improve weapons bous Areas, impacting across the DoD Joint Defense Manufac	he industrial bas s systems suppo	se and supported ort. This effort sp	d organizations. Investme bans across both DLA R&	nt explores technologi D Program Elements	es to lower th	e Agency		
Program Change Summary (\$ in Millions)	<u>FY 2020</u>	FY 2021	FY 2022 Base	FY 2022 OCO	<u>FY 2022</u>	2 Total		
Previous President's Budget	17.402	10.235	10.355	-		10.355		
Current President's Budget	17.402	10.235	12.418	-		12.418		
Total Adjustments	0.000	0.000	2.063	-		2.063		
Congressional General Reductions	-	-						
Congressional Directed Reductions	-	-						
Congressional Rescissions	-	-						
Congressional Adds	-	-						
Congressional Directed Transfers	-	-						
Reprogrammings	-	-						
SBIR/STTR Transfer	-	-						
 Inflation for Civilian Pay 	-	-	0.010	-		0.010		
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.356	-		-0.356		
Decrease for Travel	-	-	-0.026	-		-0.026		
 Internal Realignment from DRAS2 PE 0605090S 	-	-	0.930	-		0.930		
 Internal Realignment from ManTech PE 0603680S 	-	-	1.500	-		1.500		
 Retired Pay Accrual 	-	-	0.005	-		0.005		
Congressional Add Details (\$ in Millions, and Include	s General Red	<u>uctions)</u>		Γ	FY 2020	FY 20		
Project: 04: Emergent Logistics R&D Requirements (for	merly Innovative	e Products & Se	rvices for DLA Customers	;)	ļ			
Congressional Add: Energy Readiness Program for I	Fuel Conversior	ו			5.000			
Congressional Add: Energy Readiness Program for I	Liquid Hydro-ca	rbon Fuel			5.000			
			Congressional Add Sub	totals for Project: 04	10.000			
			Congressional Add T	otals for all Projects	10.000			
Change Summary Explanation FY 2021:			Congressional Add T		10.000			

xhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics	s Agency	Date: May 2021
opropriation/Budget Activity 200: Research, Development, Test & Evaluation, Defense-Wide I BA 3: dvanced Technology Development (ATD)	R-1 Program Element (Nun PE 0603712S <i>I Logistics Re</i>	nber/Name) search and Development Technology (Log R&D)
-SBIR/STTR Transfer: Due to an error while coding FY 2021 Enactme and the funding was transferred to the SBIR PE 0605502S. For LOG		
 FY 2022: Decrease for Travel: Defense-Wide activities are directed to maximiz efficient transportation options. Internal Realignment from DRAS2 PE 0605090S: DRAS2 was still ur did not reach its intended purpose of replacing the existing DRAS sys 2020. Due to coding error, the funding increase was moved to the Em will move to the Enhancing Analysis, Modeling, and Decision Support data analytics. Internal Realignment from ManTech PE 0603680S: Funding moved f -Retired Pay Accrual: Agency Contribution Assumption FY 22 rate was 	inder development when the pro stem. The DRAS2 Program Can nergent Logistics R&D Requiren t SFA in order to support DLA S from ManTech to LOG for requi	gram was terminated. Since the system was not complete, icellation Acquisition Decision Memorandum is dated April 9 nents Strategic Focus Area (SFA). Upon enactment, fundin trategic Plan priorities in digital business transformation and

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency											Date: May 2021		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0603712S / Logistics Research and Dev elopment Technology (Log R&D)Project (EMM / E 				EMM I Ent	Number/Name) hhancing Analysis, Modeling, sion Support (formerly Analytic & Support)			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
EMM: Enhancing Analysis, Modeling, and Decision Support (formerly Analytic & Decision Support)	12.512	2.611	2.729	2.782	-	2.782	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

This Strategic Focus Area (SFA) funds developments in advanced analytical tools, modeling, and simulation of logistics and supply chain processes. These tools will improve DLA forecasting and procurement strategy decisions and lead to faster and more flexible responsiveness to emerging market and customer requirements. This SFA consists of two programs:

The Strategic Distribution & Disposition (SDD) Program collaborates with DLA Distribution and Disposition Services to identify legacy capabilities that are inadequate for emerging worldwide distribution and disposition requirements. A key objective of the SDD Program is to anticipate, assess, and meet the current and future Warfighter requirements by leveraging R&D to infuse innovation into solutions. Long-term objectives include mitigating the DoD Supply Chain Management high risk issues identified by the Government Accountability Office (GAO), 2018 (Inventory Management, Material Distribution and Asset Visibility).

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Enhancing Analysis, Modeling, and Decision Support	2.611	2.729	2.782
FY 2021 Plans: The Strategic Distribution and Disposition (SDD) program will continue to provide applied research, analytical and decision support to DLA Distribution and Disposition Services and provide support to the Distribution Modernization Program (DMP). Additionally, SDD will continue to engage with Industry, Department of Defense (DoD) sponsored Federally Funded Research and Development Centers (FFRDCs) and University-Affiliated Research Center Laboratories (UARCs) leveraging subject- matter expertise in key areas of research such as Blockchain, Artificial Intelligence, Machine Learning, Internet of Things (IoT), Augmented Reality, and Autonomous/Robotics systems. SDD will continue to incorporate Integrate Project Teams (IPT) for project collaboration and Integrated System Engineering concepts (test and evaluation) into Distribution projects.			
FY 2022 Plans: The Strategic Distribution and Disposition (SDD) program will continue to provide applied research, analytical and decision support to DLA Distribution and Disposition Services and provide support to the Distribution Modernization Program (DMP). Additionally, SDD will continue to engage with Industry, Department of Defense (DoD) sponsored Federally Funded Research and Development Centers (FFRDCs) and University-Affiliated Research Center Laboratories (UARCs) leveraging subject-matter			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics A	gency		Date: M	lay 2021	
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 EMM / L and Dec Decision	leling, Analytic &		
B. Accomplishments/Planned Programs (\$ in Millions) expertise in key areas of research such as 5G Networks, Sensor Internet o	(Things (IoT) Plaskahain Quantum Computing		FY 2020	FY 2021	FY 2022
Artificial Intelligence/Machine Learning (AI/ML), Augmented Reality (AR), A Performance Management, Automated Inventory, 3D Warehouse Mapping to incorporate Integrate Project Teams (IPT) for project collaboration and In evaluation) into Distribution projects.	utomated Storage and Retrieval Systems (AS/RS , and Autonomous/Robotics systems. SDD will con				
FY 2021 to FY 2022 Increase/Decrease Statement: No significant change; however, the Internal Realignment from DRAS2 to L to increase funding for the Strategic Distribution and Disposition (SDD) pro priorities in digital business transformation and data analytics. Due to a coor to the Emergent Logistics R&D Requirements Strategic Focus Area (SFA). moved to the SDD program.	gram in FY 2022 in order to support DLA Strategic ling error, the funding increase was incorrectly mo	ved			
	Accomplishments/Planned Programs Sub	totala	2.611	2.729	2.78

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

N/A

<u>Remarks</u>

D. Acquisition Strategy

The DLA R&D program is executed through Delivery Orders placed on Indefinite Delivery/Indefinite Quantity Contracts that resulted from competitive Broad Agency Announcements and through interagency agreements with the Military Services when it is cost effective and/or provides some technical advantage, e.g. improves the probability of successful transition. DLA also has a continuously open Broad Agency Announcement for Emerging Technologies.

Exhibit R-2A, RDT&E Project Ju	xhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency										Date: May 2021			
Appropriation/Budget Activity 0400 / 3									Project (Number/Name) GLTD <i>I Improving Logistics Processes</i> (formerly Logistics Process)					
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost		
GLTD: Improving Logistics Processes (formerly Logistics Process)	23.070	2.437	4.044	5.116	-	5.116	-	-	-	-	Continuing	Continuing		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-				

A. Mission Description and Budget Item Justification

The Improving Logistics Processes (ILP) Strategic Focus Area (SFA) encompasses R&D efforts within the Weapon System Sustainment (WSS) and Acquisition Modernization Research (AMR) programs to support DLA business functional units through applied research and development of advanced technologies to improve business processes and operational methods, leverage the application of leading edge logistics "out-of-the box" concepts using disruptive technology business tools, and support DLA's technological transformation effort. To qualify for R&D funding, the R&D effort must develop and apply technology and processes over and above current baseline IT systems and continuous improvements efforts.

Although all DLA processes are in scope, the strategic focus for this budget cycle is in Procurement, Planning, Technical Quality and the Major Subordinate Commands.

Innovative process changes and new technologies will be researched in these areas to drive improvements to internal costs, reduce award delays, and improve material availability, supply chain security, demand forecasting and logistical planning. This will be accomplished through the use of artificial intelligence/machine learning, blockchain technology, and research of emerging commercial best practices and technologies.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Improving Logistics Processes (ILP)	2.437	4.044	5.116
FY 2021 Plans: The Weapon System Sustainment (WSS) program will continue research of artificial intelligence / machine learning (AI/ML) to enhance predictive analytics capabilities through improved metadata management and data quality, and advancements in quantum computing. Research will include application of commercial AI/ML capabilities to improve demand forecasts. In addition, WSS will begin a multi-pronged effort to enhance supply chain risk management using emergent technologies to improve risk assessment, market intelligence, and illumination of supply chain threats.			
The Acquisition Modernization Research (AMR) program will officially be established in FY 2022. Current efforts are funded under the Weapons Systems Sustainment Program and focus on DLA Acquisition efforts to provide enhanced market intelligence research capabilities, contract quality, and best value acquisitions. A comprehensive groundwork study will be conducted to			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics	Agency	Date: N	lay 2021			
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) GLTD / Improving Logistics Processes (formerly Logistics Process)				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022		
identify areas where additional research is needed to support modernization technology for market intelligence and expansion of previously developed		ng				
FY 2022 Plans: The Weapon System Sustainment (WSS) program will continue assessme computing capabilities, and begin research into edge computing. WSS will and AI/ML application such as adaptive training and improvements to key improve supply chain risk management identified in FY 2021 will continue.	Il conduct use cases for data analytics improvemen processes supporting warfighter readiness. Efforts	ts,				
The Acquisition Modernization Research (AMR) program will continue effo DLA supply chains, develop a minimum viable product for a contract qualit practices. In addition, AMR will prioritize and begin pursuit of research are	ty control system, and pursue best value acquisition	ı				
FY 2021 to FY 2022 Increase/Decrease Statement: \$0.500 million from Battery Network, \$0.500 million from Forgings, and \$0. programs is realigned from the ManTech Program Element to the Log R&I Management and Predictive Analytics.		ata				
	Accomplishments/Planned Programs Subt	totals 2.437	4.044	5.11		
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy The DLA R&D program is executed through Delivery Orders placed on Ind Announcements and through interagency agreements with the Military Se probability of successful transition. DLA also has a continuously open Broa	rvices when it is cost effective and/or provides som	e technical advanta				

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency										Date: May 2021		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name)Project (NPE 0603712S / Logistics Research and Dev04 / Emerged				Number/Name) gent Logistics R&D Requirements Innovative Products & Services for omers)			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
04: Emergent Logistics R&D Requirements (formerly Innovative Products & Services for DLA Customers)	28.284	12.354	3.462	4.520	-	4.520	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Emergent Logistics R&D Strategic Focus Area (SFA) includes R&D efforts to develop new products and services for DLA customers in two 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 Supply Chain Management (SCM) program addresses emergent and out of budget cycle requirements and opportunities within DLA's supply chains. A key objective of the SCM Program is to collaborate with customers (DLA J-Codes and Major Subordinate Commands (MSCs)) to identify capability shortfalls that can be addressed through major research efforts. These R&D efforts strive to develop technology mitigation strategies that address current and anticipated problems within DLA's supply chains.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Emergent Logistics R&D Requirements	2.354	3.462	4.520
FY 2021 Plans: The Energy Readiness Program (ERP) will continue to focus on providing additional alternatives for military unique fuels, working with the Service customers to improve specifications and standards for fuel quality, engage in modeling and simulation of the energy supply chain and identifying alternative energy sources for Military Customers. ERP will focus on determining R&D solutions for ongoing issues affecting fuel and fuel additive quality and operational requirements (e.g. thermal stability, storage stability, ignition capability). The program will continue to assist the military services in the qualification and certification of alternative fuels to meet military specification requirements; this will be parallel to the availability of military resources necessary to complete these efforts.			
The Supply Chain Management (SCM) program will investigate emergent commercial technologies, like distributed ledger blockchain technology, to pilot and produce a business case for developing a more informed supply chain for a DLA Major Subordinate Command. Additionally, SCM will produce a groundwork study that identifies the requirements, gaps, costs, and			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agen	су			Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/ PE 0603712S <i>I Logistics Researc</i> <i>elopment Technology (Log R&D)</i>		04 l En (former		Name) istics R&D Re e Products & .	
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2020	FY 2021	FY 2022
benefits of pursuing a supply chain digital twin for supply chain resilience and ri Augmented Reality (AR) applications and continue to address emergent and ou including Other Transaction Authority (OTA) efforts as they arise.			ties			
 FY 2022 Plans: The Energy Readiness Program (ERP) will continue with focus on providing adworking with the Service customers to improve specifications and standards for of the energy supply chain and identifying alternative energy sources for Military solutions for ongoing issues affecting fuel and fuel additive quality and operatio stability, ignition capability). The program's efforts to assist the military services fuels to meet military specification requirements will diminish proportionate with complete these efforts. SCM will initiate efforts to provide DLA the ability to perform system-wide supp assessment through a supply chain digital twin - a model of an end-to-end supp data. Additionally, SCM will complete R&D efforts in support of a blockchain pill budget cycle requirements and opportunities including Other Transaction Author FY 2021 to FY 2022 Increase/Decrease Statement: The increase is due to the Internal Realignment from DRAS2 to LOG R&D of \$0 funding increase intended for the Strategic Distribution and Disposition (SDD) p and Decision Support Strategic Focus Area (SFA) was incorrectly moved to the Upon enactment, the coding will be corrected and moved to the SDD program. 	fuel quality, engage in modeling a y Customers. ERP will focus on de nal requirements (e.g. thermal stat in the qualification and certification the military's decreased resources ly chain optimization, scenario eva oby chain that is continuously updat lot and continue to address emerge ority (OTA) efforts as they arise.	nd simulation termining R bility, storag n of alternat s necessary luation, and ed with digi ent and out bding error, the ysis, Modeli	&D e tive to d risk tal of the ing,			
	Accomplishments/Planned Prog	grams Subt	totals	2.354	3.462	4.520
		FY 2020	FY 20	21		
Congressional Add: Energy Readiness Program for Fuel Conversion		5.000		-		
FY 2020 Accomplishments: Committed funds for "Scale-up and Optimization Woody Biomass Material for Refining to Military and Commercial Transportation						
Congressional Add: Energy Readiness Program for Liquid Hydro-carbon Fuel	I	5.000		-		

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agen		Date: May 2021		
ppropriation/Budget Activity 400 / 3	R-1 Program Element (Number/I PE 0603712S <i>I Logistics Research</i> <i>elopment Technology (Log R&D)</i>	04 I Emerg	umber/Name) gent Logistics R&D Requirements nnovative Products & Services for omers)	
		FY 2020	FY 2021]
FY 2020 Accomplishments: Continued work with University of Maine for research to Liquid Hydrocarbon Fuels, Chemicals and Nanocellulose" prog				
	Congressional Adds Subtotals	10.000	-	

N/A

<u>Remarks</u>

D. Acquisition Strategy

The DLA R&D program is executed through Delivery Orders placed on Indefinite Delivery/Indefinite Quantity Contracts that resulted from competitive Broad Agency Announcements and through interagency agreements with the Military Services when it is cost effective and/or provides some technical advantage, e.g. improves the probability of successful transition. DLA also has a continuously open Broad Agency Announcement for Emerging Technologies.

Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics Agency									1	Date: May 2021		
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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	915.428	201.544	136.049	160.821	-	160.821	-	-	-	-	Continuing	Continuing
001: Technology Development	446.017	111.671	50.429	0.000	-	0.000	-	-	-	-	Continuing	Continuing
003: Trusted Foundry	469.411	89.873	85.620	0.000	-	0.000	-	-	-	-	Continuing	Continuing
004: Defense MicroElectronics Activity (DMEA)	0.000	0.000	0.000	160.821	-	160.821	-	-	-	-	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 that enable streamlined access to a variety of microelectronics technologies and engineering services to enhance responsiveness, and that 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, as well as continued development, and incorporation, of quantifiable assurance mechanisms.

DMEA provides the Department with engineering expertise and laboratories to address the myriad 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 provides the Department with front door access to SOTA microelectronics design and manufacturing capabilities with the added benefit of accredited facilities and processes, which employ quantifiable assurance mechanisms, to meet confidentiality, integrity, availability, performance and delivery needs while the Department transitions to a zero trust model. DMEA also provides the Services and Defense Agencies with a competitive cadre of accredited suppliers and advanced hardware assurance capabilities that can meet the needs of mission critical/essential systems for microelectronics components.

hibit R-2, RDT&E Budget Item Justification: PB 2022 De propriation/Budget Activity 10: Research, Development, Test & Evaluation, Defense-V vanced Technology Development (ATD)		R-1 Program	Element (Number/Name) I Microelectronics Techno)	: May 2021 d Support (DM	EA)
Program Change Summary (\$ in Millions)	<u>FY 2020</u>	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022	Total
Previous President's Budget	201.544	124.049	126.051	-	12	6.051
Current President's Budget	201.544	136.049	160.821	-	16	0.821
Total Adjustments	0.000	12.000	34.770	-	3	4.770
 Congressional General Reductions 	-	-				
 Congressional Directed Reductions 	-	-				
 Congressional Rescissions 	-	-				
 Congressional Adds 	-	5.000				
 Congressional Directed Transfers 	-	7.000				
 Reprogrammings 	-	-				
SBIR/STTR Transfer	-	-				
 Inflation for Civilian Pay 	-	-	0.388	-		0.388
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.564	-		0.564
 MGUE Transfer from PDW 	-	-	35.000	-		5.000
 Decrease for Travel 	-	-	-0.284	-		0.284
 Retired Pay Accrual 	-	-	0.230	-		0.230
Congressional Add Details (\$ in Millions, and Inclu	des General Re	ductions)			FY 2020	FY 2021
Project: 001: Technology Development						
Congressional Add: Cyber Accelerator Increase					30.000	
Congressional Add: GaN-on-Si-Based RF Front-e	nd Increase				5.000	5.0
			Congressional Add Subt	otals for Project: 001	35.000	5.0
Project: 003: Trusted Foundry						
Congressional Add: MGUE Transfer from PDW					-	7.0
			Congressional Add Subt	otals for Project: 003	-	7.0
			Congressional Add	Totals for all Projects	35.000	12.0

PE 0603720S: *Microelectronics Technology Development ...* Defense Logistics Agency

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and the funding was transferred to the SBIR PE 0605502S. For DMEA, the SBIR/STTR transfer is \$4.330M.

Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics A	gency	Date: May 2021
	R-1 Program Element (Number/Name) PE 0603720S / Microelectronics Technology Developme	ent and Support (DMEA)

FY 2022:

-Inflation for Non-Pay/Non-Fuel Purchases: An additional \$0.725 million reduction was incorrectly coded to Manufacturing Technology and was intended for the Defense Microelectronics Activity for non-pay/non-fuel inflation. The funding will be adjusted correctly upon enactment of FY 2022 funding.

-MGUE Transfer from PDW for \$35M

-Retired Pay Accrual: Agency Contribution Assumption FY 22 rate was increased by 1.1%.

-Decrease for Travel: Defense-Wide activities are directed to maximize their travel funding through the use of technology, such as video teleconference, and costefficient transportation options.

Exhibit R-2A, RDT&E Project Ju	hibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency											
Appropriation/Budget Activity 0400 / 3		PE 060372	am Elemen 20S / Microe ment and Su	electronics	Technolog	Project (N 001 / Tech						
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
001: Technology Development	446.017	111.671	50.429	0.000	000 - 0.000				-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

The Technology Development funds provide DMEA with the resources to maintain 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, and cyber and combat missions.

These funds allow DMEA to maintain and enhance critical, Trusted microelectronics design, aggregation, fabrication, post-processing, assembly 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 research, development and support necessary to ensure availability of microelectronics technologies for weapon systems, particularly as the technologies advance and industry is increasingly unable or unwilling to provide them.

DMEA looks to industry to see if it can provide the required solutions. If industry cannot or will not, only then does DMEA provide the necessary solutions using its in-house capabilities. A critical element required to enable continued success is DMEA's protection of the industry partners' valuable Intellectual Property (IP) and processes. DMEA is a small, 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 and processes 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.

DMEA assists hundreds of Department programs every year. DMEA has provided its specialized engineering assistance and capabilities to older systems, current systems, and even to programs not yet in the production phase. Programs that DMEA has recently provided critical support to include Counter-Rocket, Artillery, and Mortar (C-RAM) System, C-5, V-22, F-15, F-35, RQ-4 Global Hawk, AEGIS Advanced Surface Missile System, Advanced Medium-Range Air-to-Air Missile (AMRAAM), HH-60G Pave Hawk Helicopter, OSD Joint Fuze Technology Program, among many others. DMEA assists the Combatant Commands (COCOMs) including Special Operations, Intelligence, and the Radiation-Hard communities.

	ogistics Agency			Date: N	/lay 2021					
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/ PE 0603720S / Microelectronics y Development and Support (DMI	Technolog			(Number/Name) chnology Development					
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2020	FY 2021	FY 2022				
Title: Technology Development Accomplishments/Plans				76.671	45.429					
DMEA will design, develop, and demonstrate microelectronics con operational problems. DMEA will apply advanced technologies to a asymmetric threats and to modernize aging weapon systems. The Combatant Commands (CCMDs), Special Operations, and the Inte dramatically increase their demands for DMEA's unique capability needs. To meet these increases, DMEA will add capacity and exte laboratory infrastructure, developing advanced techniques to inspec detect increasingly sophisticated counterfeit microelectronics to en which CCMDs and Special Operations can rely. FY 2021 to FY 2022 Increase/Decrease Statement: The FY 2021 to FY 2022 decrease is due to Technology Developm	add performance enhancements in response to increased missions seen in the last several year elligence Community have caused those organi to provide quick technical solutions to immedia end capability by recapitalizing and modernizing ect and analyze circuits, and adapting tools and insure a secure supply chain, all to meet quick tu	the newest ars by zations to te operation its aging processes irn solutions	to s on							
Microelectronics Activity (P004).	ment (r 001) and trusted r oundry (r 003) mergi									
	Accomplishments/Planned Pro	arams Sub	totals	76 671	45 429					
	Accomplishments/Planned Prog	-	, J	76.671	45.429					
Congressional Add: Cyber Accelerator Increase	Accomplishments/Planned Prog	FY 2020	FY 20		45.429					
Congressional Add: Cyber Accelerator Increase FY 2020 Accomplishments: \$30M increase for cyber accelerator demonstrate viable solutions for next generation (future) DoD tech use cases to access and motivate private investment in dual use to	r - Established a Cyber Accelerator to mology needs through commercial enterprise	-	FY 20		45.429					
FY 2020 Accomplishments: \$30M increase for cyber accelerator demonstrate viable solutions for next generation (future) DoD tech	r - Established a Cyber Accelerator to mology needs through commercial enterprise	FY 2020	FY 20		45.429					
FY 2020 Accomplishments: \$30M increase for cyber accelerator demonstrate viable solutions for next generation (future) DoD tech use cases to access and motivate private investment in dual use to	r - Established a Cyber Accelerator to inology needs through commercial enterprise echnologies. RF Front-end - Commenced a technology	FY 2020 30.000	FY 20	-	45.429					
FY 2020 Accomplishments: \$30M increase for cyber accelerator demonstrate viable solutions for next generation (future) DoD tech use cases to access and motivate private investment in dual use to Congressional Add: GaN-on-Si-Based RF Front-end Increase FY 2020 Accomplishments: \$5M increase for GaN-on-Si-Based validation effort to evaluate the engineering required to introduce C	r - Established a Cyber Accelerator to inology needs through commercial enterprise echnologies. RF Front-end - Commenced a technology GaN to a traditional 200mm CMOS fabrication	FY 2020 30.000	FY 20	-	45.429					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Log	gistics Agency	Date: May 2021
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/Name) 001 / Technology Development
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
<u>D. Acquisition Strategy</u> N/A		

Exhibit R-2A, RDT&E Project Ju	xhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency												
Appropriation/Budget Activity 0400 / 3		PE 060372	am Elemen 20S / Microe ment and St	electronics		Number/Name) Sted Foundry							
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
003: Trusted Foundry	469.411	89.873	85.620	0.000	-	0.000	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-						

A. Mission Description and Budget Item Justification

The Department, other agencies, and the intelligence community require uninterruptible access to state-of-the-art design and manufacturing processes to produce custom integrated circuits designed specifically for military purposes. Under DoDI 5200.44, Application Specific Integrated Circuits (ASICs) in critical/essential systems must be procured from Trusted sources in order to avoid altered or sabotaged parts. Worldwide competition from foreign, state-subsidized manufacturing facilities continues to greatly reduce the number of U.S. semiconductor fabrication facilities available to be Trusted sources. The prevalence of sophisticated offshore design and manufacturing facilities with economic incentives of state subsidies have resulted in the outsourcing of electronics component and integrated circuit services to these offshore facilities. This production capability is of increasing importance as domestic semiconductor manufacturing resources continue to decline, especially in the scarce domestic production capacity of high performance and state-of-the-art semiconductor technologies. Commercial sources of microelectronics remain inherently unpredictable and constitute a continued supply chain risk regardless of Government investment. This trend threatens the integrity and worldwide leadership of the U.S. semiconductor industry by eliminating many domestic suppliers and reducing access to Trusted fabrication sources for advanced technologies, and is of acute concern to the defense and intelligence communities. Secure communications and cryptographic applications, along with most other key defense technologies. Important defense technology investments and demonstrations carry size, weight, power, and performance goals that can only be met through the use of the most sophisticated semiconductors.

The Trusted Foundry program provides the Department with access to state-of-the-art microelectronics design and manufacturing capabilities with the added benefit of Trust, if necessary, to meet their confidentiality, integrity, availability, performance and delivery needs. The program also provides the Services and other agencies with a competitive cadre of accredited Trusted suppliers that can meet the needs of their mission critical/essential systems for Trusted integrated circuit components. The Trusted Access Program Office has contracted with commercial sources to satisfy state-of-the-art semiconductor requirements. DMEA will foster all viable alternatives to continue the vital supply of Trusted microelectronics, including the work of the DMEA Trusted Access Program Office with commercial state-of-the-art industry, as well as the extension and implementation of key process technologies for trust at DMEA. It is imperative for a wide range of technologies in ongoing and future Department systems that access to Trusted suppliers continues. Most importantly, access to Trusted Microelectronics is absolutely necessary to meet secure communication and cryptographic needs requiring state-of-the-art semiconductor technologies.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Trusted Foundry	89.873	78.620	-
FY 2021 Plans: Facilitate the availability of Trusted and commercial state-of-the-art semiconductor technology to Department weapon system programs, research organizations, and other federal agencies through the DMEA Trusted Access Program Office (TAPO).			

PE 0603720S: *Microelectronics Technology Development ...* Defense Logistics Agency

gistics Agency			Date: M	ay 2021					
	echnolog								
			FY 2020	FY 2021	FY 2022				
Id services needed for appropriate defense syst og edge technologies and other key specialty pro- components that can be purchased by Defense to leading edge semiconductor technologies. C of ASICs and continuously refine the utilized m	ems. Enha ocesses e contracto ontinue ethods for	nce rs.							
ent (P001) and Trusted Foundry (P003) mergin	g into Defe	ense							
Accomplishments/Planned Prog	rams Subf	totals	89.873	78.620					
	FY 2020	FY 202	1						
	-	7.0	00						
MEA plans to execute the first option year of the DoD to complete its procurement of MGUE									
Congressional Adds Subtotals	-	7.0	00						
	PE 0603720S <i>I</i> Microelectronics Te y Development and Support (DME) USG use through the TAPO contracts, and to access to this and other leading edge technolog id services needed for appropriate defense syste g edge technologies and other key specialty pro- components that can be purchased by Defense to leading edge semiconductor technologies. C of ASICs and continuously refine the utilized m nent a Trusted flow for new process technologies nent (P001) and Trusted Foundry (P003) mergin Accomplishments/Planned Prog	PE 0603720S <i>I Microelectronics</i> Technolog y Development and Support (DMEA) USG use through the TAPO contracts, and to access to this and other leading edge technologies. Enhan d services needed for appropriate defense systems. Enha g edge technologies and other key specialty processes components that can be purchased by Defense contracto to leading edge semiconductor technologies. Continue of ASICs and continuously refine the utilized methods for nent a Trusted flow for new process technologies at DMEA ment (P001) and Trusted Foundry (P003) merging into Defense Accomplishments/Planned Programs Subt PMEA plans to execute the first option year of	PE 0603720S / Microelectronics Technolog y Development and Support (DMEA) 003 / Training USG use through the TAPO contracts, and to access to this and other leading edge technologies. Enhance ad services needed for appropriate defense systems. Enhance ag edge technologies and other key specialty processes y components that can be purchased by Defense contractors. Image: Continue of ASICs and continuously refine the utilized methods for nent a Trusted flow for new process technologies at DMEA. Image: Mathematical defense Systems is the term of term of the term of the term of term of term of the term of term	PE 0603720S I Microelectronics Technolog y Development and Support (DMEA) 003 I Trusted Found 003 I Trusted Found FY 2020 USG use through the TAPO contracts, and to access to this and other leading edge technologies. Enhance id services needed for appropriate defense systems. Enhance g edge technologies and other key specialty processes components that can be purchased by Defense contractors. FY 2020 to leading edge semiconductor technologies. Continue of ASICs and continuously refine the utilized methods for nent a Trusted flow for new process technologies at DMEA. 89.873 Ment (P001) and Trusted Foundry (P003) merging into Defense 89.873 FY 2020 FY 2021 OMEA plans to execute the first option year of -	PE 0603720S I Microelectronics Technolog y Development and Support (DMEA) 003 I Trusted Foundry USG use through the TAPO contracts, and to access to this and other leading edge technologies. Enhance id services needed for appropriate defense systems. Enhance g edge technologies and other key specialty processes r components that can be purchased by Defense contractors. to leading edge semiconductor technologies. Continue of ASICs and continuously refine the utilized methods for nent a Trusted flow for new process technologies at DMEA. 89.873 Ment (P001) and Trusted Foundry (P003) merging into Defense 89.873 78.620 FY 2020 FY 2021 - OMEA plans to execute the first option year of - 7.000				

Exhibit R-2A, RDT&E Project Ju	nibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency											
Appropriation/Budget Activity 0400 / 3		PE 060372	am Elemen 20S I Microe ment and St	electronics T		Number/Name) ense MicroElectronics Activity						
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
004: Defense MicroElectronics Activity (DMEA)	0.000	0.000	0.000	160.821	-	160.821	-	-	-	-	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 research, development and support necessary to ensure availability of microelectronics technologies in accordance with applicable operational security standards, particularly as the technologies advance and industry is increasingly unable or unwilling to provide them.

The Department, other US Agencies, and the Intelligence Community require uninterrupted access to design and manufacturing processes to produce custom integrated circuits designed specifically for military purposes. DMEA partners with industry to provide the required solutions, and the necessary front-door access to commercial SOTA microelectronics design and manufacturing capabilities to meet confidentiality, integrity, availability, performance and delivery needs. If industry cannot or will not provide the required solutions, only then does DMEA provide the necessary solutions using in-house capabilities. 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.

DMEA assists hundreds of Department programs every year. DMEA has provided its specialized engineering assistance and capabilities to older systems, current systems, and even to programs not yet in the production phase. Programs that DMEA has recently provided critical support to include CH-53E Sea Stallion, Virginia Class Submarines, Columbia Class Submarines, UH-60 Blackhawk, Air Force Air Combat Command, US Army Corps of Engineers, E-3 AWACS, C5ISREW CHEETAH,

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agen	су	[Date: N	<i>l</i> lay 2021	
Appropriation/Budget Activity 0400 / 3	• • • •	Project (Nu 004 / Defens (DMEA)		Name) roElectronics	Activity
Military GPS User Equipment, NASA Parker Solar Probe, Naval Research Lab Commands (COCOMs) including Special Operations, Intelligence, and the Rac		many others	. DME	A assists the	Combatant
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2	2020	FY 2021	FY 2022
Title: Defense Microelectronics Activity Accomplishments/Plans			-	-	160.821
FY 2022 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 aging weapon systems. To meet the incre- by CCMDs, Special Operations, and the Intelligence Community, DMEA will ex- modernizing its aging laboratory infrastructure, developing advanced technique tools and processes to contribute to the Department-wide hardware assurance CCMDs and Special Operations can rely. Per section 224 of the 2020 NDAA, D and levels of security for assured and commercial SOTA semiconductor techno- research organizations, and other Federal Agencies through the DMEA contract suppliers in the incorporation of the standards for production of the critical comp defense systems while contributing to the development and transition to a zero DMEA will continue to support DoD programs in utilizing operational security st the program protection planning process. DMEA will leverage new models for the workforce development, mainstream semiconductor technology fabrication, and MGUE Transfer from PDW for \$35M: DLA requested transfer to execute the se critical process technology required for the DoD to complete its procurement of Reservation, which ensures DLA's vendors have access to the Trusted Foundr FY 2021 to FY 2022 Increase/Decrease Statement:	Ince enhancements in response to the newest eased missions seen in the last several years tend and refresh capability by recapitalizing ar is to inspect and analyze circuits, and adapting efforts, all to meet quick turn solutions on whice DMEA will facilitate the availability of tiers of true ology to Department weapon system programs ets. DMEA will assist the cadre of accredited ponents and services needed for appropriate trust approach or hybrid zero trust approach. andards and conducting ACMAs in support of the use of in-house capabilities to support STE d streamlined access to advanced technologies econd option year of a two year extension of a MGUE ASICs. This will fully fund the Capacity	id ch st ,			
The FY 2021 to FY 2022 decrease is due to Technology Development (P001) a Microelectronics Activity (P004) with the addition of the MGUE transfer from Pro-		nse			
	Accomplishments/Planned Programs Subt	otals		-	160.821
<u>C. Other Program Funding Summary (\$ in Millions)</u> N/A <u>Remarks</u>					

Exhibit R-2A, RDT&E Project Justification: PB 2022 D	Defense Logistics Agency	Date: May 2021
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/Name) 004 / Defense MicroElectronics Activity (DMEA)
D. Acquisition Strategy		
N/A		

Exhibit R-4, RDT&E Schedule Profile: PB 2022 De	efer	nse l	_ogis	stics	Age	ency															I	Date	e: Ma	ay 20	021			
Appropriation/Budget Activity R-1 Program Element (Number/Name) 0400 / 3 PE 0603720S / Microelectronics Technolog y Development and Support (DMEA)							Project (Number/Name) 004 I Defense MicroElectronics Activi (DMEA)						vity															
	1	FY 2	2020 3	4	1	FY 2 2	021 3	4	1	FY 2	2022 3	2 4	1	FY 2	2023 3	4	1	FY 2	2024 3	4	1	FY 2 2	2025 3	4	1	FY 2 2	2026 3	4
Microelectronics Technology Development and Support (DMEA)																												
Microelectronics Technology Development and Support (DMEA)																												

xhibit R-4A, RDT&E Schedule Details: PB 2022 Defense Logistics Agence	y .			Date: May 2	2021
ppropriation/Budget Activity 400 / 3	R-1 Program Element (Numbe PE 0603720S <i>I Microelectronics</i> <i>y Development and Support (DI</i>	20S I Microelectronics Technolog			e) ctronics Activity
S	chedule Details				
	St	art		En	d
Events by Sub Project	St Quarter	art Year	Q	En uarter	d Year
Events by Sub Project Microelectronics Technology Development and Support (DMEA)		1	G		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics Agency										Date: May 2021		
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605070S <i>I DoD Enterprise Systems Development and Demonstration</i>							
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	30.115	2.291	1.377	0.679	-	0.679	-	-	-	-	Continuing	Continuing
09: Enterprise Funds Distribution	30.115	2.291	1.377	0.679	-	0.679	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The mission of the DoD Enterprise Business Systems (DEBS) is to coordinate and enable business transformation efforts across the Department of Defense (DoD). DoD's business enterprise must be closer to its warfighting customers than ever before, and Joint military requirements drive the need for greater commonality and integration of business and financial operations.

B. Program Change Summary (\$ in Millions)	<u>FY 2020</u>	<u>FY 2021</u>	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	2.291	1.377	0.687	-	0.687
Current President's Budget	2.291	1.377	0.679	-	0.679
Total Adjustments	0.000	0.000	-0.008	-	-0.008
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-	-			
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.008	-	-0.008

Change Summary Explanation

FY 2021:

SBIR/STTR Transfer: Due to an error while coding FY21 Enactment, the SBIR/STTR transfer is not reflected in the exhibit totals. Programs were indeed taxed and the funding was transferred to the SBIR PE 0605502S. For EFD, the SBIR/STTR transfer is \$0.050M.

Exhibit R-2A, RDT&E Project Ju	xhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency												
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0605070S <i>I DoD Enterprise Systems D</i> <i>evelopment and Demonstration</i>				Project (Number/Name) 09 <i>I Enterprise Funds Distribution</i>			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
09: Enterprise Funds Distribution	30.115	2.291	1.377	0.679	-	0.679	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

Enterprise Funds Distribution (EFD) is a multi-service/multi-agency process improvement and modernization solution, initiated to provide full visibility of the OUSD(C) funds distributed through echelon I and II for the Military Departments, and at all levels for the Defense Agencies. Funds distribution by its nature is a key enabler of financial visibility within DoD enterprise systems. The concept of a fully visible enterprise funds distribution process serves as a reference where planned and coordinated funds development and execution takes place.

Within the current DoD environment, progress has been made streamlining a diverse set of stove-piped budget execution and funds distribution processes and systems. Efforts continue to improve the visibility of funding information, eliminate manual efforts and undue complexities to the management of budget authority, and to eliminate impediments in the flow of funding documents. The current environment relies heavily on manual processing and on disconnected standalone systems for the processing of Funding Authorization Documents (FADs) and reprogramming actions. This environment made the implementation of internal controls difficult, negatively impacted the accuracy and timeliness of information while making the processes of integrating and obtaining management information arduous.

The envisioned operational environment solves these problems by enabling lifecycle program value management in a web-based application utilizing an authoritative database with single-source data entry and automated workflow. Capabilities within this integrated environment will enable the automation of all funds distribution and funds control processes within OUSD(C) using authoritative and highly visible data. Specifically, capabilities include managing apportionments, distributing budget authority to the Military Departments and Defense Agencies, managing rescissions and continuing resolutions, creating and tracking reprogramming actions, and establishing program baselines and budget authority needed to support changes in funding priorities throughout the year.

The operational environment includes organizational elements down to the echelon II level responsible for managing DoD and Component appropriations operating in an unclassified environment. The web-based application provides pre-planning, apportionment, reprogramming, rescission, continuing resolution, reporting of enterprise-level funds control and distribution of appropriated funding.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Enterprise Funds Distribution (EFD)	2.291	1.377	0.679
Description: EFD will distribute funds to the Military Departments and the Defense Agencies.			
FY 2021 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Lo	ogistics Agency	Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 5		oject (Number/Name) I Enterprise Funds Distribution		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
The program will continue the development and deployment of EF strategy. The program will also deploy additional accounts and de upgrade and deploy System Change Requests (SCR's) to support	velopment activities related to Momentum Software Baseline			
FY 2022 Plans: Deploy System Change Requests (SCR's) to support post deployr	ment requirements and required enhancements.			
FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 is lower due to the majority of EFD's development to be of	completed in FY 2021.			
	Accomplishments/Planned Programs Subtotals	2.291	1.377	0.679
 C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy The EFD strategy is to use a "single acquisition to full capability," fully implemented for all appropriation funding data for the Military 		The effort is n	eeded to ens	ure EFD is

Appropriation/Budge 0400 / 5	opropriation/Budget Activity 00 / 5							R-1 Program Element (Number/Name)Project (Number/Name)PE 0605070S I DoD Enterprise Systems D evelopment and Demonstration09 I Enterprise Funds Distribution							
Product Developme	nt (\$ in M	llions)	FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years			Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Savantage Solutions	Option/ FP	Savantage Solutions : Rockville, MD	14.158	-		-		-		-		-	0.000	14.158	14.158
TeraThink/CGI Corporation	C/FFP	TeraThink Corporation/CGI : Reston, VA	14.465	2.291	Dec 2019	1.377	Dec 2020	0.679	Dec 2021	0.000		0.679	Continuing	Continuing	Continuin
TBD	C/FFP	TBD : TBD	1.492	-		-		-		-		-	0.000	1.492	1.492
Prior Year Contracts	Option/ Various	Multiple : Multiple	-	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	30.115	2.291		1.377		0.679		0.000		0.679	Continuing	Continuing	N//
Remarks Prior year contracts line ind	clude Savan	age Solutions Option/FI	P Rockville, I Prior Years	MD \$14.15		FY 2		FY 2 Ba	2022 ISE	FY 2 OC		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	30.115	2.291		1.377		0.679		0.000		0.679	Continuing	Continuing	N/A
<u>Remarks</u>															

	UNCLASSIFIED	
hibit R-4, RDT&E Schedule Profile: PB 2022 Defense Logis	tics Agency	Date: May 2021
propriation/Budget Activity 00 / 5	R-1 Program Element (Number/Name) PE 0605070S <i>I DoD Enterprise Systems D</i> <i>evelopment and Demonstration</i>	Project (Number/Name) 09 <i>I Enterprise Funds Distribution</i>
Enteprise Funds Distribution	FY 2020 FY 2021 FY 2022 FY 2023 FY 1 2 3 4 </td <td></td>	
Enterprise Funds Distribution (EFD)		

Exhibit R-4A, RDT&E Schedule Details: PB 2022 Defense Logistics Agency		Date: May 2021
0400 / 5	R-1 Program Element (Number/Name) PE 0605070S / DoD Enterprise Systems D evelopment and Demonstration	 umber/Name) prise Funds Distribution

Schedule Details

	Sta	art	End		
Events by Sub Project	Quarter	Year	Quarter	Year	
Wave 1 Deployment					
Development Activities using Momentum Financials ERP	1	2017	4	2018	
Wave 2 Deployment					
The program will continue the development and deployment of EFD post Wave 2 requirements based on user group migration strategy. Also deploy additional accounts and dev activities.	1	2019	4	2019	
Wave 3 Deployment					
The program will continue the development and deployment of EFD post Wave 3 requirements based on user group migration strategy. Also deploy additional accounts and dev activities.	1	2020	4	2020	
Post Waves 1, 2 and 3 Development					
SCRs, Momentum Upgrade Development, Break-Fix Development	1	2021	4	2026	

Exhibit R-2, RDT&E Budget Iten	n Justificat	ion: PB 20	22 Defense	Logistics A	gency					Date: May	2021	
Appropriation/Budget Activity						am Elemen						
)400: Research, Development, Te System Development & Demonstr			ise-Wide I E	3A 5:	PE 0605080S / Defense Agencies Initiative (DAI) - Financial System							
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	181.447	23.114	20.537	32.254	-	32.254	-	-	-	-	Continuing	Continuir
01: Defense Agencies Initiative - Financial System	181.447	23.114	20.537	32.254	-	32.254	-	-	-	-	Continuing	Continuir
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 04	491											
A. Mission Description and Bud	daet Item .lı	stification	1									
The Defense Agencies Initiative (-			oo Pulainaa	Sustam is	on Entorn		oo Dlonning		od program	that was or	iginally
created to solve Defense Agency	y financial m	anagement	t problems t	hrough star	ndard end-to	o-end busin	ess process	ses delivere	ed by comm	ercial off-th	e-shelf (CO⁻	TS)
software. DAI's mission is to prov	vide an audit	table. Chief	Financial C	Officer (CFC) Act comp	liant busine	ss environn	nent for the	Defense cu	istomer ora	anizations w	vith
accurate, timely, and authoritative												
Increments 1 and 2 were docume								500. Increm	ent 3 will de	eliver new fi	nancial capa	abilities
including Defense Working Capita	tal Fund (DV	VCF) and R	Re-Sale acco	ounting plus	a major ap	plication up	grade.					
B. Program Change Summary (s in Million	s)		FY 2020	<u>FY 202</u>	<u>21 F</u>	TY 2022 Ba	<u>se</u>	FY 2022 O	<u>co</u>	FY 2022 To	otal
Previous President's Budg	•	-+		23.114	20.53	37	23.3	90		-	23.3	390
Current President's Budge	et			23.114	20.53	37	32.2	54		-	32.2	254
Total Adjustments				0.000	0.00	00	8.8	64		-	8.8	364
Congressional G	General Red	uctions		-		-						
 Congressional D 	Directed Red	luctions		-		-						
 Congressional R 	Rescissions			-		-						
 Congressional A 	Adds			-		-						
 Congressional D 	Directed Trar	nsfers		-								
 Reprogrammings 	IS			_		-						
SBIR/STTR Tran	nsfer				-	-						
 Inflation for Non- 				-	0.00	- -)0						
 Program Increas 		uel Purchas	ses	-	0.00	- -)0 -	-0.3	93		_	-0.3	393
Working Capital F	-Pay/Non-Fu		ses	- - -	0.00	- - 00 -	-0.3 8.0			-		393 014
	-Pay/Non-Fเ se for DFAS	and DISA		- - -	0.00	- - 00 -				-		
- i rogram moreas	-Pay/Non-Fเ se for DFAS	and DISA nts Migratio		- - -	0.00	- -)00 - -		14		-	8.0	
Change Summary Expla	-Pay/Non-Fu se for DFAS Fund Accour se for USMC	and DISA nts Migratio		- - -	0.00	- - - -	8.0	14		- -	8.0	014

FY 2021:

hibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistic	s Agency	Date: May 2021
propriation/Budget Activity	R-1 Program Element (Numbe	er/Name)
00: Research, Development, Test & Evaluation, Defense-Wide I BA 5:	PE 0605080S I Defense Agence	ies Initiative (DAI) - Financial System
stem Development & Demonstration (SDD)		
-SBIR/STTR Transfer: Due to an error while coding FY21 Enactment and the funding was transferred to the SBIR PE 0605502S. For DAI,		
FY 2022:		
-Provides \$8.014M for the DLA to migrate DFAS and DISA Working	Capital Fund Accounts into the DAI.	
-Provides \$1.243M to DLA to migrate the USMC into DAI, an Enterpr	rise Resource Planning System.	

Exhibit R-2A, RDT&E Project Ju		Date: May 2021											
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) Project (N					Number/Name) nse Agencies Initiative - Financial		
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
01: Defense Agencies Initiative - Financial System	181.447	23.114	20.537	32.254	-	32.254	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			
Project MDAP/MAIS Code: 0491						· ·							

A. Mission Description and Budget Item Justification

DAI 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 four 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 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 2022 Defense Logistics A	Date: May 2021				
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System	Project (Number/Name) 01 <i>I Defense Agencies Initiative - Financial</i> <i>System</i>			
DAI supports the 2018 National Defense Strategy (NDS) Strategic Goal 3, well as Strategic Objectives (SO) 3.1 "Improve and Strengthen business op regulatory burden" as well as SO 3.3 Undergo an audit, and improve the qu	perations through a move to DoD-Enterprise or sh	ared services; reduce administrative and			
DAI is currently implemented at 26 Defense organizations and the Office of responsible for operational sustainment of the system. Funds are required accomplish the remaining capability developments and organizational imple comments.	for additional government and contractor support	t, licenses, maintenance, and hardware to			
 The benefits of DAI are: Labor efficiencies (entering data once) and shared across all business provide the end of the end of	can backfill and work continues); nterprise data standards (i.e., SFIS, SLOA, Procu olve DoD material weaknesses and deficiencies. ns, Forms and Workflows by leveraging applicatio	rement Data Standard (PDS) and			
The DAI PMO also provides system integration services that include: acqui required Reports, Interfaces, Conversions, Extensions, Forms and Workflor conversion, user acceptance, operational); training (train the trainer/change perform well with an integrated enterprise resource planning system); system studies, coordination/analysis support.	ws (RICE-FW) objects; testing (cyber security, int e management preparing the users for the cross f	egration, functional, performance, unctional skills and awareness needed to			
DLA provides the Milestone Decision Authority (MDA), DLA Acquisitions (J manager, and PMO staff. The DAI PMO relies on DLA Acquisitions for most production, test and development, as well as Continuity of Operations (COO performance testing. The DAI PMO serves as systems integrator.	st contracting support. Defense Information Syste	ems Agency (DISA) data centers provide			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Lo	igistics Agency	Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System	Project (Number/N 01 / Defense Agene System	,	- Financial
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
Title: Defense Agencies Initiative (DAI) - Financial System		23.114	20.537	32.254
 Description: In FY 2020, the DAI PMO accomplished: Obtained 4th consecutive annual Unmodified Opinion by an Indep. Deployed DAI Increment 3 Rel 2, an initial Defense Working Capi Defense Counterintelligence and Security Agency. Deployed DAI Time & Labor Release in a large agency to over 3, Developed/Tested DWCF and agency unique requirements and c Studied Agency unique requirements for Joint Chiefs of Staff (JCS Developed necessary work instructions and training materials. Supported the Financial Management (FM) & time/labor operation Supported the DoD RMF process to support actions included in the and Milestones including an independent FISCAM Test of Design/TAuthority to Operate. Continued to mature the GRC capabilities by expanding Enterprise supporting audit findings, recommendations & CAPs. Maintained the technical operations including: application of DISA software currency for servers operating systems, middleware & app within the DECC enclaves; & the daily operation of several interface Addressing System (DAAS), as well as established Federal Enterp - Conducted regular adversarial assessments, RMF continuous model obtained an interim Interoperability Certification or an Authority to The Program also performed developmental, operational and Cyb of the Secretary of Defense oversight. The Defense Logistics Agen conduct the annual FFMIA and SSAE 18 assessments and conduct Expand the utility of Robotic Process Automation to include repetities and the utility of Robotic Process Automation to users at exit University (over 4.5K users). Development/Testing for DWCF and agency unique requirements 	ital Fund (DWCF) capability, to a newly expanded/rename 500 new personnel based on an Executive Order. completed the study of 4th Estate common/core capabilities S), National Defense University (NDU), DeCA and DCSA. Ins for over 53k users at 26 organizations. The Designated Authorizing Authority required Plan of Action Test of Effectiveness to result in a DAA decision to award ase controls: Configuration, Access, Prevention & Transaction A Security Technical Implementation Guides, hardware & plications including patches; overseeing internal processe es with external systems leveraging DLA Defense Automa rise system web services. Denitoring including code scans, an independent Cyber Eco etration Assessment. D Connect to the DoD Global Information Grid. Der security testing with independent third parties under O incy contracted for an independent public accounting firm to et Cyber security assessments on the system. itive PMO functions.	s. ns an ons s ited nomic		

PE 0605080S: *Defense Agencies Initiative (DAI) - Fina...* Defense Logistics Agency

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logist	ics Agency	Date:	May 2021				
Appropriation/Budget Activity 0400 / 5							
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022			
 Work instructions and training materials. Mature the Financial Management (FM) & time/labor operations for of Develop updated work instructions and training materials. Train 25K time and labor users and over 5K USMC financial users. Support the DoD RMF process to support actions included in the Dest and Milestones including an independent FISCAM Test of Design/Test Authority to Operate. Continue to mature the GRC capabilities by expanding Enterprise con Transactions supporting audit findings, recommendations & CAPs. Mature the technical operations including: application of DISA Securit currency for servers operating systems, middleware & applications incl DISA Data Center enclaves; & the daily operation of several interfaces Addressing System (DAAS), as well as established Federal Enterprise Study costs associated with hosting DAI in the Oracle Cloud. Expand utility of Robotic Process Automation to include repetitive PM 	signated Authorizing Authority required Plan of Actions of Effectiveness to result in a DAA decision to award introls: Configuration, Access, Prevention as well as ty Technical Implementation Guides, hardware & softw luding patches; overseeing internal processes within th with external systems leveraging DLA Defense Auton system web services.	an rare lie					
 FY 2022 Plans: In FY 2022, the DAI PMO will: Field DAI Increment 3 Rel 4 accounting maturation to users at existin Development/Testing for DFAS DWCF unique requirements and com DAI will complete the development and deployment of G-Invoicing ca 2022. DAI will continue to develop Robotic Process Automations (RPA) to extending, demonstrations, and incident resolution. DAI will support the planned Full Operational Capability (FOC) of the program to systemically transmit Access Control Information from Agen centralized repository. DAI will continue to expand the utility of Advana with DAI data support 	plete the study of a major application upgrade. pabilities to meet the OSD & Treasury Mandates for C enhance timeliness & quality of Tier2 Helpdesk request Identity, Credential and Access Management (ICAM) ncies and provide DAI provisioning information to the I	.,					
FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 will be the first year that DAI will deploy financial capabilities to capabilities necessary to meet Defense Finance and Accounting Servic users.							
	Accomplishments/Planned Programs Sub	totals 23.114	20.537	32.254			

Exhibit R-2A, RDT&E Project Justification: PB 2022 [nibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Agency						
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605080S / Defense Agencies Initiative (DAI) - Financial System	Project (Number/Name) 01 <i>I Defense Agencies Initiative - Financial</i> <i>System</i>					
C. Other Program Funding Summary (\$ in Millions)	·						
N/A							
<u>Remarks</u>							
D. Acquisition Strategy							
	y/incremental strategy including major annual software releases to a egulations and policies as governed by its Functional Sponsor.	accommodate upgrades as required by					
DAI Increments 1 and 2 are in sustainment. When Incre	ment 3, Rel 1 went live in October 2018, it subsumed Increment 2; tl	herefore, only one DAI production baseline					

exists at any point in time.

Exhibit R-3, RDT&E F	Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Defense Logistics Agency												May 202)21			
Appropriation/Budget Activity 0400 / 5							-	Defense A	l umber/N Agencies I		-	-	r/Name) encies Init	iative - Fi	nancial		
Product Development (\$ in Millions)			FY 2	2020	FY 2	2021		FY 2022 FY 20 Base OCC]					
Cost Category Item	gory Item & Type Activity & Location Years		-	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract		
DAI Compliance Support	Option/ CPIF	CACI Inc Federal : Chantilly, VA	31.280	5.854	Jun 2020	4.288	Jun 2021	5.345	Jun 2022	0.000		5.345	Continuing	Continuing	0.000		
DAI Implementation Support	Option/ CPIF	CACI Inc Federal : Chantilly, VA	28.402	5.496	Mar 2020	5.682	Mar 2021	6.100	Mar 2022	0.000		6.100	Continuing	Continuing	0.000		
DAI Infrastructure Support	Option/ CPIF	CACI ISS Inc : Fairfax, VA	14.476	4.000	May 2020	2.118	May 2021	3.010	May 2022	0.000		3.010	Continuing	Continuing	0.000		
Global Model P2P Support	C/CPIF	IBM : TBD	3.418	2.408	Aug 2020	2.542	Aug 2021	3.766	Aug 2022	0.000		3.766	Continuing	Continuing	Continuing		
Global Model A2R Support	C/CPIF	CACI, Inc : TBD	4.736	1.342	Apr 2020	2.336	Apr 2021	2.621	Apr 2022	0.000		2.621	Continuing	Continuing	Continuing		
Requirements Management (RM) Support	MIPR	DISA : Fort Meade, MD	1.272	0.262	Oct 2019	0.256	Oct 2020	0.510	Oct 2021	0.000		0.510	Continuing	Continuing	Continuing		
DCPDS/DAI Interface File Changes	MIPR	DLA Finance : Fort Belvoir, VA	0.037	0.008	Feb 2020	0.008	Feb 2021	0.193	Feb 2022	0.000		0.193	Continuing	Continuing	Continuing		
Prior Year Contracts	Option/ Various	MULTI : MULTI	68.289	0.000		0.000		0.000		0.000		0.000	0.000	68.289	54.057		
		Subtotal	151.910	19.370		17.230		21.545		0.000		21.545	Continuing	Continuing	N/A		

Remarks

Prior Year Contracts include: Global Model P2P C/FFP IBM: Bethesda, MD \$21.927 million; Global Model A2R C/CPFF CACI Inc Federal: Chantily, VA \$10.146 million; DAI Data Conversion Support Option/FFP Terathink: Reston, VA \$2.857 million; Oracle Time & Labor Software License and Maintenance C/FP Mythics, Inc: Virginia Beach, VA \$1.020 million; Global Model CAD C/CPFF CSC: Falls Church, VA \$3.205 million; Jaws Professional Licenses C/FFP Immix: McLean, VA \$0.017 million; Oracle Advanced Compression Licenses \$1.622 million; Oracle Contract Lifecycle Management Licenses C/FFP Mythics Inc: Virginia Beach, VA \$7.408 million; Oracle Licenses MIPR DISA: Pensacola, FL \$5.446 million; Kurzweil 5000 508 Assistive Tech Licenses C/FFP Envision Technology Inc: Bethesda, MD \$0.008 million; Dragon Naturally Speaking 508 C/FFP Red River Computer Co: Claremont, NH \$0.007 million; DISA/DITCO Delinquent Balance MIPR DISA DITCO: Scott AFB, IL \$0.017 million; and DBTA Section 1553 MIPR DFAS:Columbus, OH \$0.377 million.

Support (\$ in Millions)		FY 2	2020	FY 2	2021		2022 Ise	FY 2 OC		FY 2022 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	2.789	0.864	Jun 2020	0.712	Jun 2021	1.118	Jun 2022	0.000		1.118	Continuing	Continuing	Continuing
		Subtotal	2.789	0.864		0.712		1.118		0.000		1.118	Continuing	Continuing	N/A

PE 0605080S: *Defense Agencies Initiative (DAI) - Fina...* Defense Logistics Agency

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Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2022 Defe	nse Logi	stics Age	ency						Date:	Date: May 2021				
Appropriation/Budge 0400 / 5	Appropriation/Budget Activity 400 / 5								R-1 Program Element (Number/Name)Project (IPE 0605080S / Defense Agencies Initiative (DAI) - Financial System01 / Defense System						nancial		
Test and Evaluation	(\$ in Milli	ions)		FY 2	2020	FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total					
Contract Method Performing Prio & Type Activity & Location Year				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	13.832	2.245	Oct 2019	2.000	Oct 2020	7.891	Oct 2021	0.000		7.891	Continuing	Continuing	Continuing		
Interoperability	MIPR	JITC : Fort Meade, MD	3.978	0.222	May 2020	0.200	May 2021	0.300	May 2022	0.000		0.300	Continuing	Continuing	Continuing		
Performance and Regression Testing	MIPR	JITC : Fort Huachuca, AZ	3.967	0.313	Nov 2019	0.300	Nov 2020	1.250	Nov 2021	0.000		1.250	Continuing	Continuing	Continuing		
Operational Test and Evaluation	MIPR	JITC : Fort Huachuca, AZ	4.742	0.000	Dec 2019	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing		
DCPS Testing	MIPR	DFAS : Indianapolis, IN	0.229	0.100	Oct 2019	0.095	Oct 2020	0.150	Oct 2021	0.000		0.150	Continuing	Continuing	Continuing		
		Subtotal	26.748	2.880		2.595		9.591		0.000		9.591	Continuing	Continuing	N/A		
			Prior Years	FY	2020	FY 2	2021		2022 15e	FY 2 O(FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract		
		Project Cost Totals	181.447	23.114		20.537		32.254		0.000		32.254	Continuing	Continuing	N/A		

Remarks

RDT&E Schedu	ule Profile: Pl	3 2022 Defens	e Logisti	cs Agency							Date: May 2021				
n/Budget Activ	vity				PE 06050	80S I Defer	nse A			ve	Project (Number/Name) 01 <i>I Defense Agencies Initiative - Finand</i> <i>System</i>				
<u>ата отчаля озчаля оччаля оччаля оччаля </u>	<u>סאואזם מאואזם סאואזם סאואז</u> ם <u>סא</u> ואזם <u>סאו</u> אז	9 Q1/FY20 Q2/FY20 Q3/FY20 Q4/FY20	Q1/FY21 Q2/FY21 Q3		<u>03/1722</u> <u>04/1722</u> <u>03/1723</u> (FY24 02/FY24	Q3/FY24 Q4/FY24	94778 94778-						
ATP	ATP			ATP Rel 4 Deployment	♦ ATP full Deploym) Deployment	♦	ATP Rel 7 Deployment						
Producti	ion Hardware Available	Rel 3 Dev Decision	Rel 4 Dev Decision	RMF Continuous Monitoring											
SRR POR Dedgo PER Workshops (Rei 1) (Rei 2) 	(Rel 1) (Rel 2) (Rel 2)	A A A A THE PRODUCTION OF A CONTRACT OF A CO		PRR FC2 PCA SHR POR Dec (Ref 4) SHR POR Dec (Ref 5) Works A A A A Ref 5) UAT THR THR (Ref 4) (Ref 4)			RR PDR De (tel 7) Worl	relign FCA PRR kshops (Re CDR SIT UAT TRR TRR (Rel 7)	A PCA 17)						
Rel 1 Analysis\Design\U T	Rei 2 Anałysis\Design\UT	Rel 3 Analysis\Design\UT	Rel 4 Analysis\Design	AUT Bells Anabria	Rel6.	alysis\Design\UT	Rel 7 Analysis\I	Design\UT							
Rel 1 Training	Rel 2 Training	Rel 3 Training	Rel 4 Traini	ng Rel 5	raining	Rel 6 Training	Rel 7	Training							
Stary decame set tas, har D Soft 12 Austrament DT ST UAY REG SFE Compliance Assessment DLA ICOPS DKAVEF MAX	ORA Codeparation times (CA)/HICF FPC Option CO Soft Research T DIT SIT ULAT SIT COOPEnance Assessment DLA KOPS NA/FITMA	RICE AVE IN 2 DECK	SFIS Complia DLA ICC	REG 5715 Cor nor Assessment 5715 Cor DFS DL Performance Testing - Continuous	REG Ipliance Assessment	DLA ICOPS	SFIS Cor	REG npliance Assessment DLA ICOFS DA/IFMIA		Ilance Assessme DLA ICOIS BLA/TEMIA					
mc2 JITCFOT Report		ice ▲ ince ▲ ince Report		Interoperability - Monthly Sec 508	Report K										
CEVA MA	CEVA	Adversarial al coop π	issessments include monthly A	ACAS, Webinspect Scans, HP Fortigy, JTCR COOP SIM RMF Continuous Monitoring	d Team assessments & DLA Blue Team	Assessments									
Data Conversion Motks	•	Data Conversion Mocks	Data Conver	sion Mocies 🛔 Data C	nversion Mocks	Data Conversion Mocks									
Tat inc	Rel 1 Go Live	Rel 2 Go Live	Rel 3 Go Live	Rel 4 Go Live	Go Liv		GoLive		A Rel 7 Go Live						
Agency sessment Solution DECA: Defres cludes Production & DISA: Defress DISA: Defress DISA: Defress DISA: Defress DISA: Defress DISA: Defress Solution Review FCA: Function FC: Function FF: Function FF	se Commissery Agency le Information Security Agency ment Test mail Configuration Audit oyment trials eral Financial Management Information w on Operational Test & Evaluation	IOT&E: Initial Operational Test & Evalu	ation R: Rete R12: O Ind REG: R RMF: F SRS-C SM: S RMF: F SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SM: S SRS-C SR	asse vacle E-Business Suite, Release 12 tegression Test Yak Management Framework A: Standard Financial Information inulation Yak Management Framework A: Standard Financial Information A: Standard Financial Information A: Standard Financial Information A: Standard Financial Information	SSAE 18: Stan Attestation Stds: Standary T&D: Test and T&L: Time & L TRR: Test Rea UST: User Acc USMC: Unites USSA: Unites USSA: Unites UT: Unit Test UT: Unit Test	neint of Standards for an Engeneent Development bor mess Review ptance Testing States Marine Corps States Standard General Ledger	0 1	Note: WHS deploy ffices, Pentagon Fc	ment included OSE proce Protection Age	Secretaria ncy, Defens TRMC	ise				
	DEAL CONVERTIGNATION DEAL CONVERT	b/Budget Activity	Area a series a serie	Arbadget Activity	<text></text>		ABudget Activity ABudget Acti	Algudget Activity R-1 Program Element (N PE 06050808 / Defense A (DAI) - Financial System Contraction of the second of	And under Activity R-1 Program Element (Number/ PE 06050808 / Defense Agencies (DAI) - Financial System Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activity Company Activ	//Budget Activity R-1 Program Element (Number/Name). PE 060508005 / Defense Agencies Initiation (DAI) - Financial System DE Increment 3 Image: Im	//Budget Activity R-1 Program Element (Number/Name) PE 60050805 / Defense Agencies Initiative (DAI) - Financial System Balance Balance Balance Image: State of the state of t				

Exhibit R-4A, RDT&E Schedule Details: PB 2022 Defense Logistics Agency				Date: May 2021				
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							
Scl	nedule Details							
	S	tart		En	d			
Events by Sub Project	Quarter	Year	Q	uarter	Year			
Defense Agencies Initiative (DAI)								
DAI See schedule exhibit for more details	1	2018		4	2025			

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Exhibit R-2, RDT&E Budget Ite Appropriation/Budget Activity 0400: Research, Development, System Development & Demons	Test & Evalua	tion, Defen			R-1 Progra	stem 2 (DRAS2)						
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	55.905	6.368	1.638	0.000	-	0.000	-	-	-	-	Continuing	Continuir
01: Defense Retired and Annuitant Pay System 2 (DRAS2)	55.905	6.368	1.638	0.000	-	0.000	-	-	-	-	Continuing	Continuir
A. Mission Description and Bu	ıdaet Item Jı	stification	1									
DRAS2 was still under developr existing DRAS system. The DR	ment when th	e program	was termina						its intended	d purpose o	f replacing t	he
B. Program Change Summary	(\$ in Million	<u>s)</u>		FY 2020	<u>FY 202</u>	<u>21 F</u>	Y 2022 Ba	se	FY 2022 O	<u>co</u>	FY 2022 To	otal
Previous President's Bud	dget			6.368	1.63	38	1.6	64		-	1.6	664
Current President's Budg				6.368	1.63	38	0.0	00		-	0.0	000
Total Adjustments	-			0.000	0.00	00	-1.6	64		-	-1.6	664
 Congressional 	General Red	uctions		-	-	-						
 Congressional 	Directed Red	uctions		-	-	-						
 Congressional 	Rescissions			-	-	-						
 Congressional 				-	-	-						
 Congressional 	Directed Trar	nsfers		-	-	-						
 Reprogrammin 				-	-	-						
SBIR/STTR Tra				-	-	-						
 Inflation for Not 		el Purchas	ses	-	-	-	-0.0			-	-0.0	
 Under-execution 				-	-	-	-0.72	-		-	-0.7	-
 Internal Realign 	nment to LOC	6 PE 06037	'12S	-	-	-	-0.9	30		-	-0.9	930
<u>Change Summary Expl</u> FY 2021: -SBIR/STTR Transfer: D		while codi	na FY21 Fr	actment, th	e SBIR/ST	TR transfer	is not reflec	ted in the e	whibit totals	Programs	were indee	d taxed

-Internal Realignment to LOG PE 0603712S: Moved baseline funding from DRAS2 to LOG. DRAS2 was still under development when the program was terminated. Since the system was not complete, it did not reach its intended purpose of replacing the existing DRAS system. The DRAS2 Program Cancellation Acquisition Decision Memorandum is dated April 9, 2020.

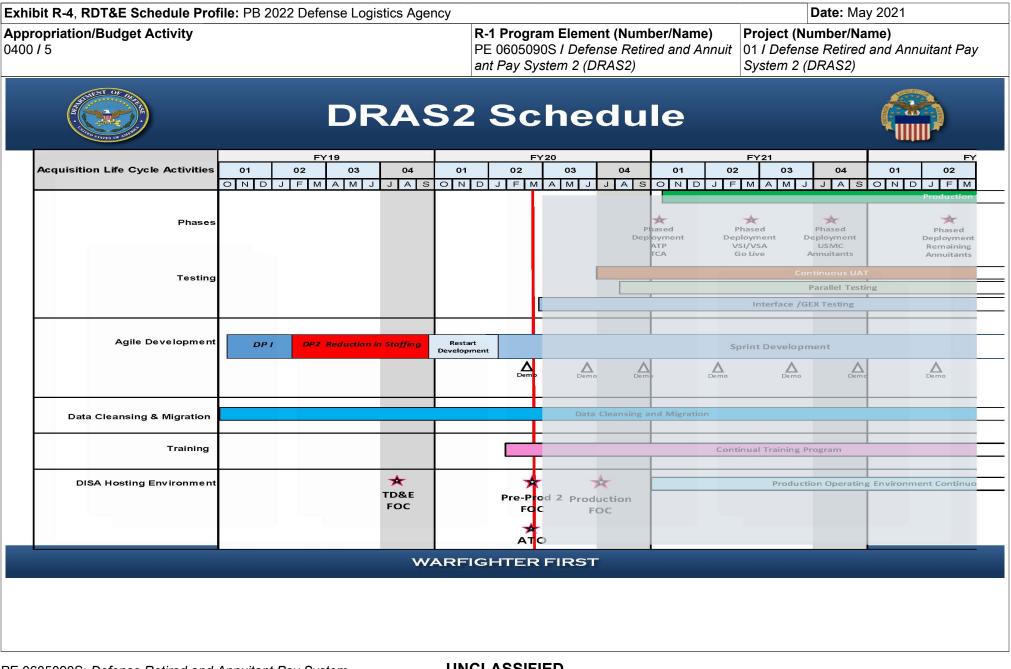
PE 0605090S: *Defense Retired and Annuitant Pay System...* Defense Logistics Agency

Exhibit R-2A, RDT&E Project J Appropriation/Budget Activity 0400 / 5	ustification:	PB 2022 L	Jefense Log	listics Agen	R-1 Program Element (Number/Name) PE 0605090S <i>I Defense Retired and Annuit</i> <i>ant Pay System 2 (DRAS2)</i>					Date: May 2021 Dject (Number/Name) I Defense Retired and Annuitant Pay stem 2 (DRAS2)				
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2020	Cost To Complete	Total Cost		
01: Defense Retired and Annuitant Pay System 2 (DRAS2)	t Pay System 2										- Continuing	Continuin		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-		-			
B. Accomplishments/Planned I Title: Defense Retired and Annu FY 2021 Plans: Funds will be realigned for highe the system was not complete, it of Cancellation Acquisition Decision FY 2022 Plans: Moved baseline funding from DF terminated. Since the system was	itant Pay Sys r DoD prioriti did not reach n Memorando	es. DRAS2 its intende um is dated R&D PE 0	AS2) was still ur d purpose c April 9, 202	of replacing 20. RAS2 was	the existing still under c) DRAS syst	tem. The D t when the	RAS2 Progr	ce ram	Y 2020 6.368	FY 2021 1.638	FY 2022 0.00		
DRAS2 Program Cancellation Ac FY 2021 to FY 2022 Increase/D	•		orandum is	dated Apri	l 9, 2020.									
Program's baseline was entirely terminated. Since the system wa DRAS2 Program Cancellation Ad	s not comple	ete, it did no	t reach its i	ntended pu	rpose of rep									
					Accomplis	shments/Pl	anned Pro	grams Sub	totals	6.368	1.638	0.00		
<u>C. Other Program Funding Sur</u> N/A <u>Remarks</u>	nmary (\$ in	<u>Millions)</u>												

	UNGLASSIFIED	
Exhibit R-2A, RDT&E Project Justification: PB 2022 D	Defense Logistics Agency	Date: May 2021
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605090S / Defense Retired and Annuit ant Pay System 2 (DRAS2)	Project (Number/Name) 01 <i>I Defense Retired and Annuitant Pay</i> <i>System 2 (DRAS2)</i>
D. Acquisition Strategy		·
N/A		

Exhibit R-3, RDT&E F	Project C	ost Analysis: PB 2	022 Defe	nse Logi	stics Age	псу						Date:	May 2021			
Appropriation/Budge 0400 / 5	t Activity	1				R-1 Program Element (Number/Name) PE 0605090S <i>I Defense Retired and Annuit</i> <i>ant Pay System 2 (DRAS2)</i>						Project (Number/Name) 01 <i>I Defense Retired and Annuitant Pay</i> <i>System 2 (DRAS2)</i>				
Product Developmen	nt (\$ in Mi	illions)		FY 2	2020	FY 2	021	FY 2022 Base		FY 2 OC		FY 2022 Total				
Cost Category Item	Contract Method Performing st Category Item & Type 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	
DRAS2 System Development and Integration	Option/ IDIQ	CSRA : Chantilly, VA	27.915	5.568	Oct 2019	1.638		0.000		0.000		0.000	0.000	35.121	-	
DRAS2 COTS License Purchase	Option/ IDIQ	CSRA/Oracle : To be Determined	14.029	0.000		0.000		0.000		0.000		0.000	0.000	14.029	-	
DISA Hosting	MIPR	Virtual Operating Environment : Mechanicsburg, PA	1.769	0.000		0.000		0.000		0.000		0.000	0.000	1.769	-	
Transaction Services Interface Design	Option/ IDIQ	Northrop Grumman DLA Transaction Services : Chambersburg, PA	4.202	0.000		0.000		0.000		0.000		0.000	0.000	4.202	-	
Transaction Services Interface Development & Testing	Option/ IDDQ	Northrop Grumman DLA Transaction Services : Chambersburg, PA	2.074	0.800	Jul 2020	0.000		0.000		0.000		0.000	0.000	2.874	-	
DRAS2 System Development & Integration	Option/ IDIQ	CSRA : Chantilly, VA	2.964	0.000		0.000		0.000		0.000		0.000	0.000	2.964	-	
Interoperability Testing	MIPR	Joint Interoperability Test Command (JITC) : Fort Meade, MD	1.542	0.000		0.000		0.000		0.000		0.000	0.000	1.542	-	
Training Effort	C/TBD	To be determined : To be determined	1.410	0.000		0.000		0.000		0.000		0.000	0.000	1.410	-	
	·	Subtotal	55.905	6.368		1.638		0.000		0.000		0.000	0.000	63.911	N/A	
			Prior Years	FY 2	2020	FY 2	021	FY 2 Ba	-	FY 2 OC		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract	
		Project Cost Totals	55.905	6.368		1.638		0.000		0.000		0.000	0.000	63.911	N/A	

PE 0605090S: *Defense Retired and Annuitant Pay System...* Defense Logistics Agency



PE 0605090S: *Defense Retired and Annuitant Pay System...* Defense Logistics Agency UNCLASSIFIED Page 5 of 6

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xhibit R-4A, RDT&E Schedule Details: PB 2022 Defense Logistics Agency	ÿ		Date: May 2021					
ppropriation/Budget Activity 400 / 5	R-1 Program Element (Number/Name) PE 0605090S I Defense Retired and Annuit ant Pay System 2 (DRAS2)Project (Number/Name) 01 I Defense Retired and Annuit 							
-								
Se	chedule Details							
S	chedule Details	art	E	nd				
So Events by Sub Project		art Year	E Quarter	nd Year				
	Sta							

Exhibit R-2, RDT&E Budget Item	Justificat	ion: PB 202	22 Defense	Logistics A	gency					Date: May	2021	
Appropriation/Budget Activity 0400: Research, Development, Te RDT&E Management Support	R-1 Program Element (Number/Name) PE 0605502S <i>I Small Business Innovative Research (SBIR)</i>											
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	49.682	10.065	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing
SBIR: Small Business Innovative Research	49.682	10.065	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 2020</u>	<u>FY 2021</u>	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	10.065	0.000	0.000	-	0.000
Current President's Budget	10.065	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-	0.000			

Change Summary Explanation

FY 2021 Small Business Innovation Research (SBIR) and Small Technology Transfer (STTR) taxes for DLA programs establish the baseline for this program element. Due to an error while coding FY 2021 Enactment, the SBIR/STTR transfer is not reflected in the exhibit totals. Programs were indeed taxed and the funding was transferred to the SBIR PE 0605502S.

DLA SBIR/STTR taxes are \$3.902M and Defense Microelectronics Agency (DMEA) are \$4.330M.

Exhibit R-2A, RDT&E Project Ju		Date: May 2021											
Appropriation/Budget Activity 0400 / 6											umber/Name) all Business Innovative Research		
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
SBIR: Small Business Innovative Research	49.682	10.065	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

This program 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 SBIR and Small Business Technology Transfer (STTR) programs will develop new dual-use technologies for possible future DLA operational and sustainment 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 identified from within several DLA Elements:

J6 R&D

- Nuclear Modernization: The objectives under the nuclear modernization focus area, include: maintain nuclear systems readiness, qualify alternate sources of supply, improve quality of consumable parts; and increase materiel availability.

Force Readiness and Lethality: The objectives under the force readiness and lethality focus area include: improve life cycle performance through technological advancement, innovation and reengineering; and mitigate single points-of-failure that threaten the readiness of weapons systems used by our Warfighters
 Supply Chain Innovation: The objectives under the supply chain innovation focus area, include: improve lead times, reduce lifecycle costs, maintain a secure and resilient supply chain; and provide opportunities for small business industrial base to enhance supply chain operations with technological innovations.

- Supply Chain Assurance: The objectives under the supply chain assurance focus area, include: secure the microelectronics supply chain, develop a domestic supply of rare earth elements; and adopt industrial base best practices associated with counterfeit risk reduction.

DMEA

- Advanced microelectronics concepts, technologies, and applications

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: SBIR Accomplishments/Plans	10.065	0.000	-
FY 2021 Plans: DLA SBIR/STTR:			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Lo	ogistics Agency		Date: M	ay 2021		
Appropriation/Budget Activity 0400 / 6		ject (Number/Name) IR I Small Business Innovative Researc				
B. Accomplishments/Planned Programs (\$ in Millions)		Γ	FY 2020	FY 2021	FY 2022	
Continue execution of all active Phase I and Phase II SBIR/STTR with DLA to identify requirements that meet DLA's long and short t mentorship to Phase II to projects to increase the likelihood of tran ventures.	term Strategic Objectives. Provide adequate guidance and					
DMEA SBIR/STTR: Continue to seek innovative technical solutions to DoD microelecti sector commercialization of these innovations.	ronics research and development needs and increase priva	ate-				
FY 2021 to FY 2022 Increase/Decrease Statement: FY 2021 Small Business Innovation Research (SBIR) and Small T the baseline for this program element. Due to an error while coding the exhibit totals. Programs were indeed taxed and the funding wa	g FY 2021 Enactment, the SBIR/STTR transfer is not reflect					
DLA SBIR/STTR taxes are \$3.902M and Defense Microelectronics	s Agency (DMEA) are \$4.330M.					
SBIR and STTR tax amounts are based on enacted budgets so F						
	Accomplishments/Planned Programs Sub	ototals	10.065	0.000	-	
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 DLA requirements. DLA solicits all new project execution work the periods throughout each year. (Jan-Feb, May-Jun, and Sep-Oct)						

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Exhibit R-2, RDT&E Budget Iten	Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics Agency										Date: May 2021		
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>								
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost	
Total Program Element	10.903	1.705	1.785	1.799	-	1.799	-	-	-	-	Continuing	Continuing	
03: Pacific Disaster Center	10.903	1.705	1.785	1.799	-	1.799	-	-	-	-	Continuing	Continuing	

A. Mission Description and Budget Item Justification

The Pacific Disaster Center (PDC) has been in operation since February 1996. The 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 RAPIDS, for the Department.

B. Program Change Summary (\$ in Millions)	<u>FY 2020</u>	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	1.705	1.785	1.821	-	1.821
Current President's Budget	1.705	1.785	1.799	-	1.799
Total Adjustments	0.000	0.000	-0.022	-	-0.022
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-	0.000			
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.022	-	-0.022

Change Summary Explanation

FY 2021:

SBIR/STTR Transfer: Due to an error while coding FY21 Enactment, the SBIR/STTR transfer is not reflected in the exhibit totals. Programs were indeed taxed and the funding was transferred to the SBIR PE 0605502S. For PDC, the SBIR/STTR transfer is \$0.065M.

Exhibit R-2A, RDT&E Project Ju	stification:	PB 2022 D	efense Log	istics Agen	су					Date: May	/ 2021	
Appropriation/Budget Activity 0400 / 7						am Elemen 12S / Pacific			Project (N 03 / Pacific		,	
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
03: Pacific Disaster Center	10.903	1.705	1.785	1.799	-	1.799	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Bud The PDC has provided operation for the department since 2007. T exercises, and was recently select "Expanded use of RAPIDS acros Staff objective" in a memorandum	al support fo The system, cted as one s the DoD a n dated July	or an (uncla covering gl of the most t the Comb 6, 2017.	ssified) inte obal hazard effective sy atant Comm	is frequent stems in a	tly used by position pa	COCOMS, _I per by the c	particularly lepartment,	PACOM an reviewing a	d SOUTHC all unclassifi services" wa	OM, for HA ed informa as identifie	VDR missior tion sharing d as "a prima	ns and systems. ary Joint
B. Accomplishments/Planned P	• ·	in Millions	<u>s)</u>						FY		FY 2021	FY 2022
Title: Pacific Disaster Center (PD	,									1.705	1.785	1.799
Description: The USD(A&S) will program. USD(A&S) will continue							Assistant (I	PSA) for the	e			
The PDC has been in operation s Hawaii (UH) under a cooperative manpower, and budget resources (OUSD(A&S)) and the Defense L	agreement transferred	with the De I to the Offic	partment of ce of the Un	Defense. 1 der Secreta	The Pacific I	Disaster Ce	nter (PDC)	function,				
The PDC is a world-recognized a assistance and disaster relief (HA awareness, and civil-military com and Vulnerability Assessments he	VDR). PDC'	s applications for human	ns and infor iitarian miss	mation pro	ducts enhar wide, while i	nce prepare its national-l	dness, situa evel socio-	ational economic R	lisk			
The DLA J32, Strategic Programs primary responsibility is for mana- for DoD missions associated with (DSCA). In doing this, the Program guidelines, programmatic content of the Hawaii-based organization opportunities.	gement and DoD CrM, I m Office dev and prioritie	stewardshi HA/DR, The velops and es with the l	p of govern ater Securit provides po UH and PD0	mental fund ty Coopera licy, oversig C. The PDC	ds provided tion, and De ght and guid C Program (in Defense efense Supp dance, and j Office also s	Departmen oort to Civil ointly devel erves as a	It appropriat Authorities lops strateg support ele	tions ic ment			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logi	istics Agency		Date: N	1ay 2021	
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012S / Pacific Disaster Center		ct (Number/I acific Disaste		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2020	FY 2021	FY 2022
 FY 2021 Plans: -Enhance the DisasterAWARE platform, and related applications and applications for improving access, navigation, and performance; 2) Ir by further leveraging Enterprise-class cloud services and monitoring capabilities. -Enhance automation and modeling services supporting comprehens awareness, notification/warning, exposure estimation, and impact mot hazard and exposure assessment outputs into automated mapping p reports; 2) Extend and improve thematic coverage and hazard monitimpact area estimation, and notification; 3) Gain efficiencies and scal and explore use of Artificial Intelligence algorithms and tools to augm effective documentation and devise sustainable processes for new m Increase flexibility and responsiveness of automated solutions; 6) Entesting and prototyping. -Advance analytical to better understand severity of impacts to popul health, cultural, and environmental factors that are influencing risk ar communication, versioning, and service delivery; 2) Expands PDC's automation and availability of risk products, information, and services for refined reporting; 4) Leverage risk index approach in new and inn Develop new indicators that enable predictive outlooks for current an -Manage and maintain the most robust global data sets and related se interagency support requirements. 1) Administer PDC's Global Enter across the Center and its applications; 2) Streamline and automate dista management, and deployment processes; 3) Continue to enhance E and 4) Explore new approaches and technologies for improved perfor of data service. 	ncrease platform scalability, resiliency, stability, and sec tools; and 3) Continue to improve Mobile DisasterAWA sive and integrated multi-hazard monitoring, situational odeling and assessments. 1) Enhance the integration of products, situational awareness, and needs assessmen oring capabilities, including automation of hazard detect lability through full or partial automation of manual proc nent current practices; 4) Develop processes to help man odeling, automation, and related communications; and shance ability to simulate actual conditions results durin thance ability to simulate actual conditions results durin analytic and risk product offerings through enhanced s; 3) Incorporation new tools and emerging data capabil iovative ways to better describe human terrain; and 5) and extended range planning. Services to directly support the DoD in meeting their prise Data policies, standards, and resources for consis- data content development, validation, maintenance, interprise Data holdings with authoritative global informa-	curity RE f t ction, cesses aintain l 5) lg cion, lities stency ation;			
FY 2022 Plans: The FY 2022 Annual Plan will be published and presented during the Continue to modernize and sustain the DisasterAWARE system to su Decision Support (RAPIDS) as well as Emergency Management Operations's Humanitarian Assistance and Disaster Recovery (HA/DR) at EX 2022 to EX 2022 Increases (Decreases Statement)	upport the DoD's Risk Assessment, Planning and Incide erations (EMOPS) (supporting the Department's and it's	S			
FY 2021 to FY 2022 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Logistics Ag	ency		Date: N	lay 2021	
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012S / Pacific Disaster Center	-	ct (Number/N acific Disaste		
B. Accomplishments/Planned Programs (\$ in Millions)		ſ	FY 2020	FY 2021	FY 2022
No significant change.					
	Accomplishments/Planned Programs Su	btotals	1.705	1.785	1.799
Remarks D. Acquisition Strategy PDC projects beyond the baseline Situational Awareness & Decision Suppor Cooperative Agreement (CA) with the University of Hawaii (UH) are from PD the public, disaster managers, governments, and others to mitigate the effec safeguard livelihoods, protect property to foster disaster-resilient communitie PDC product and services relevancy.	C customers (e.g., DoD, NGOs, other nations, ts of disasters. The goal is to have people and	academ I technol	ia, and indus	try). The PDC ether to prese	C prepares erve life,

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	022 Defe	ense Logi	istics Age	ncy						Date:	May 202	1	
Appropriation/Budg 0400 / 7	Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0708012S / Pacific Disaster CenterProject (Number/Name) 03 / Pacific Disaster Center							r	
Test and Evaluation	(\$ in Milli	ons)		FY	2020	FY 2	2021		2022 Ise		2022 CO	FY 2022 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 : Honolula, HI	10.903	1.705	Dec 2019	1.785	Dec 2020	1.799	Dec 2021	-		1.799	Continuing	Continuing	Continuin
		Subtotal	10.903	1.705		1.785		1.799		-		1.799	Continuing	Continuing	N/A
			Prior Years	FY	2020	FY 2	2021	FY 2 Ba	2022 Ise		2022 CO	FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	10.903	1.705		1.785		1.799		-		1.799	Continuing	Continuing	N/A

Remarks

xhibit R-4, RDT&E Schedule Profile: PB 2022 Defense Log	jistics Agency	Date: May 2021
ppropriation/Budget Activity 400 / 7	R-1 Program Element (Number/Name) PE 0708012S / Pacific Disaster Center	Project (Number/Name) 03 / Pacific Disaster Center
	FY 2020 FY 2021 FY 2022 FY 2023 FY	2024 FY 2025 FY 2026
Pacific Disaster Center	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 1 2 3 4 1 2 3 4
Pacific Disaster Center Pacific Disaster Center (PDC)		

Exhibit R-2, RDT&E Budget Iten	Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Defense Logistics Agency											
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0708047S <i>I Defense Property Accountability System (DPAS)</i>							
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	6.631	3.545	7.301	6.390	-	6.390	-	-	-	-	Continuing	Continuing
ABC: DPAS	6.631	3.545	7.301	6.390	-	6.390	-	-	-	-	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)	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	FY 2022 OCO	FY 2022 Total
Previous President's Budget	3.545	7.301	6.914	-	6.914
Current President's Budget	3.545	7.301	6.390	-	6.390
Total Adjustments	0.000	0.000	-0.524	-	-0.524
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-	-			
 Inflation for Non-Pay/Non-Fuel Purchases 	-	-	-0.078	-	-0.078
Under-execution	-	-	-0.446	-	-0.446

Change Summary Explanation

FY 2021:

-SBIR/STTR Transfer: Due to an error while coding FY21 Enactment, the SBIR/STTR transfer is not reflected in the exhibit totals. Programs were indeed taxed and the funding was transferred to the SBIR PE 0605502S. For DPAS, the SBIR/STTR transfer is \$0.266M.

Exhibit R-2A, RDT&E Project Ju	ustification	: PB 2022 [Defense Log	istics Agen	псу					Date: Ma	ay 2021	
Appropriation/Budget Activity 0400 / 7					PE 070804	am Elemen 47S I Defens tem (DPAS)	se Property		Project (N ABC / DP/		ame)	
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 202	Cost To 6 Complete	Total Cost
ABC: DPAS	6.631	3.545	7.301	6.390	_	6.390	-	-	-		- Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-		-	
A. Mission Description and Bud The DPAS system provides acco budgeted projects will provide en greater enhancements to DPAS a	untability an hancement allow the Do	nd manager s to the exis oD to sunse	ment functic sting capabi t legacy sys	lity, ensure	efficient op	eration, and	l provide so	lutions for p	process gap	os as they	are discover	
B. Accomplishments/Planned P Title: DPAS completed the migra	• ·								F۱	7 2020 3.545	FY 2021	FY 2022
Description: DPAS completed th Air Force to achieve their financia account and report financial data. costs of upgrading this system. Title: Technical Refresh	al audit goal	s for Genera	al Equipmei	nt due to DF	PAS providi	ng the funct	ionality req	uired to pro	perly		7.301	6.390
Description: During the Technica equipment assets from the wareh processes to support the Army to	iouse portio	n of the sys	tem will mir	ror the proc	cesses in the	e current Pr	operty Acco	ountability.				
FY 2021 Plans: Migration to the cloud. Technical mission. Implementation of JSF. Contractor Inventory Control Point	Implement	ation of the	Air Force S	upport Equ								
FY 2022 Plans: Complete the Technical Refresh. the Air Force Contractor Inventor						Equipment N	laintenance	Activities a	and			
FY 2021 to FY 2022 Increase/De No significant change.	ecrease Sta	atement:										
					Accomplis	shments/Pla	anned Prog	grams Sub	ototals	3.545	7.301	6.390

Exhibit R-2A, RDT&E Project Justification: PB 2022 Defense Log	Date: May 2021	
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708047S <i>I Defense Property Account</i> <i>ability System (DPAS)</i>	Project (Number/Name) ABC I DPAS
C. Other Program Funding Summary (\$ in Millions) N/A		
N/A Remarks		
D. Acquisition Strategy		
N/A		

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	022 Defe	ense Logi	stics Age	ncy						Date:	May 202	1	
Appropriation/Budg 0400 / 7	et Activity	1				PE 070	o gram Ele 8047S / D System (D	Defense F			Project ABC / L	: (Numbe DPAS	r/Name)		
Product Developme	FY 2020		FY 2021			2022 Ise	FY 2022 OCO		FY 2022 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		0.000		-		-		-	0.000	6.631	6.631
DPAS Development 2020.1	C/FFP	Leidos Inc : Camp Hill PA	0.000	3.545	Sep 2020	0.000		-		-		-	0.000	3.545	3.545
DPAS Development Version 2021.1	SS/FFP	Leidos, Inc. : Camp Hill Pa	0.000	0.000		7.301	Aug 2021	-		-		-	Continuing	Continuing	7.301
DPAS Development Version 2020.2	Option/ FFP	Leidos Inc: : Camp Hill, PA	-	-		-		6.390	Aug 2022	-		6.390	Continuing	Continuing	6.390
		Subtotal	6.631	3.545		7.301		6.390		-		6.390	Continuing	Continuing	N/A
			Prior Years	FY 2020		FY 2021			2022 ISE	FY 2022 OCO		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	6.631	3.545		7.301		6.390		-		6.390	Continuing	Continuing	N/A

Remarks

R-4, RDT&E Schedule	Profi	le: PE	3 202	2 De	fense	e Logi	stics	Agen	су												Da	te: N	lay 20)21
riation/Budget Activit	y									PE	0708	0475		fense			Name Acco			ject (C / DF		ber/N	lame)
Fiscal Year	-1	FY2	2021		1	FY2	2022		. – –	FY2	023			FY2	024			FY2	025			FY2	026	
Project Task	Q1	Q2	Q3	Q4	Q1	-	-	Q4	Q1		Q3	Q4	Q1	-		Q4	Q1		-	Q4	Q1	-	Q3	Q4
Research					1					1														
Design															T									
Development						11	1																	
Testing			0				1					1.1										Ì (1	
Implementation																								
Research																								
Design												1 1												
Development																								
Testing												1												
Implementation																								
Research		_																						
Design																	-							
Development																								
Testing																								
Implementation																								
				1	1						1	1				1						1		

hibit R-4A, RDT&E Schedule Details: PB 2022 Defense Logistics Agen	су			Date: May 2	2021
opropriation/Budget Activity 00 / 7	R-1 Program Element (Number PE 0708047S / Defense Property ability System (DPAS)	,	Project (N ABC / DPA	umber/Nam S	e)
S	Schedule Details				
S	Schedule Details	art		En	d
Events by Sub Project		art Year	Q	En	d Year
	Sta		Q		