Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy											Date: February 2018	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*						**R-1 Program Element (Number/Name)** PE 0603739N *I Navy Logistic Productivity*						
COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	45.634	2.973	2.995	4.059	-	4.059	4.018	3.957	4.040	4.125	Continuing	Continuing
2955: *JEDMICS*	43.454	2.109	2.391	2.913	-	2.913	2.925	2.980	3.043	3.107	Continuing	Continuing
3223: *Logistics R&D*	2.180	0.864	0.604	1.146	-	1.146	1.093	0.977	0.997	1.018	Continuing	Continuing

A. Mission Description and Budget Item Justification

Includes development and evaluation of incentive systems for improving the productivity of civilian and military personnel. Identifies barriers to increased productivity and evaluates the effect of removing them. Develops techniques for easing the introduction of new technology to the work place. Identifies and evaluates methods for improving the quality of work-life.

Excludes civilian and military manpower and their related costs and military construction costs which are included in appropriate Management and Support elements in this program.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary ($ in Millions)

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	3.089	2.995	3.357	-	3.357
Current President's Budget	2.973	2.995	4.059	-	4.059
Total Adjustments	-0.116	0.000	0.702	-	0.702
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.116	0.000			
• Program Adjustments	0.000	0.000	0.770	-	0.770
• Rate/Misc Adjustments	0.000	0.000	-0.068	-	-0.068

Change Summary Explanation

The FY 2018 request was reduced by -$0.351 million to account for the availability of prior year execution balances.

Technical: Not applicable.

Exhibit R-2, **RDT&E Budget Item Justification:** PB 2019 Navy	**Date:** February 2018
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0603739N *I Navy Logistic Productivity*

    Schedule: Not applicable.

UNCLASSIFIED

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy | | | | | **Date:** February 2018

Appropriation/Budget Activity 1319 / 4				R-1 Program Element (Number/Name) PE 0603739N / Navy Logistic Productivity				Project (Number/Name) 2955 / JEDMICS				

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
2955: JEDMICS	43.454	2.109	2.391	2.913	-	2.913	2.925	2.980	3.043	3.107	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In FY85 Congress directed the Services and Defense Logistics Agency to permanently capture, manage and control engineering data in digital format so it would be available to support competitive spares re-procurement. The Joint Engineering Data Management Information & Control System (JEDMICS) program manages and controls 100,000,000 engineering images and has 13,000 authorized users responsible for over 77,000 user sessions per month. Over 1.2 million digital images are retrieved each month. New data and new users are added each month as DoD re-engineers its business processes to take advantage of digital data that is managed and controlled for corporate reuse. The JEDMICS system is deployed at 5 interoperable sites that service user locations worldwide. Data stored in JEDMICS is used for Logistics Support, Spares re-procurement, Weapons Systems procurement, Engineering, Maintenance, Distribution, Manufacturing, Air National Guard and Deployed Engineering Technical Services organizations. JEDMICS facilitates work process re-design since it brings the electronic drawings to the desktop, shop floor or flight line in real time eliminating walk, wait and slack time to retrieve drawings. Additionally, Administrative Lead Time, Repair Turn Around Time, Engineering Change Proposal processing time, demilitarization time, and all cycle times dependent on engineering data have decreased with the real time availability of digital engineering data. JEDMICS also facilitates Electronic Commerce since it produces digital technical data packages that can be forwarded along with an electronic order. Funds are for Commercial Off The Shelf (COTS) test, evaluation and integration. JEDMICS development efforts are required to integrate and test COTS upgrades.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)

	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: JEDMICS Development	2.059	2.339	2.861	0.000	2.861
Articles:	-	-	-	-	-

Description: Conduct development efforts associated with JEDMICS software releases. Conduct COTS requirements definition, evaluation, integration and testing of annual baseline releases. Conduct technology insertion of the JEDMICS system that is required to protect the $21B digital data asset managed in JEDMICS.

These annual releases are necessary to incorporate changes that are essential to keeping the system running within the Navy's Enterprise. They include Service mandated Information Technology changes, storage capability increases for emerging engineering data formats, changes to accommodate commercial hardware and software end-of-life product obsolescence, and defenses for newly recognized Information Assurance vulnerabilities affecting the systems various software applications.

FY 2018 Plans:
Develop and integrate JEDMICS Software Release 3.0.19.

FY 2019 Base Plans:

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 2955 / *JEDMICS*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**
Develop and integrate JEDMICS Software Release 3.0.20. *FY 2019 OCO Plans:* N/A *FY 2018 to FY 2019 Increase/Decrease Statement:* The funding increase from FY 2018 to FY 2019 supports development efforts associated with JEDMICS software releases.					
Title: JEDMICS Test	0.026	0.026	0.026	0.000	0.026
Articles:	-	-	-	-	-
Description: Conduct test and readiness reviews and functional performance tests on JEDMICS system. *FY 2018 Plans:* Complete DT of JEDMICS Software Release 3.0.18. Initiate DT of JEDMICS Software Release 3.0.19. *FY 2019 Base Plans:* Complete DT of JEDMICS Software Release 3.0.19. Initiate DT of JEDMICS Software Release 3.0.20. *FY 2019 OCO Plans:* N/A *FY 2018 to FY 2019 Increase/Decrease Statement:* There is no change from FY 2018 to FY 2019.					
Title: JEDMICS Evaluation & Review	0.024	0.026	0.026	0.000	0.026
Articles:	-	-	-	-	-
Description: Conduct technical evaluations and configuration control reviews of JEDMICS system. *FY 2018 Plans:* Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.20. *FY 2019 Base Plans:* Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.21. *FY 2019 OCO Plans:* N/A *FY 2018 to FY 2019 Increase/Decrease Statement:*					

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 **/** 4	**R-1 Program Element (Number/Name)** PE 0603739N **/** *Navy Logistic Productivity*	**Project (Number/Name)** 2955 **/** *JEDMICS*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**
There is no change from FY 2018 to FY 2019.					
Accomplishments/Planned Programs Subtotals	2.109	2.391	2.913	0.000	2.913

C. Other Program Funding Summary ($ in Millions)
 N/A

Remarks

D. Acquisition Strategy
 Execution of sole-source negotiated requirements type contract for engineering, design, development and test efforts. Performance-based reviews conducted quarterly
 by the Project Management Office.

E. Performance Metrics
 1. Complete testing, integration, & upgrade of three major embedded Commercial Off-the-Shelf products.
 2. Test & integrate system Information Assurance Vulnerability Management software patch upgrades four times.
 3. Complete development, testing, & integration of a minimum twenty corrected high-priority software problem reports.

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2019 Navy												**Date:** February 2018		
Appropriation/Budget Activity 1319 / 4						**R-1 Program Element (Number/Name)** PE 0603739N / Navy Logistic Productivity						**Project (Number/Name)** 2955 / JEDMICS		

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017 Cost	FY 2017 Award Date	FY 2018 Cost	FY 2018 Award Date	FY 2019 Base Cost	FY 2019 Base Award Date	FY 2019 OCO Cost	FY 2019 OCO Award Date	FY 2019 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	C/IDIQ	Smartronix Inc. : Hollywood, MD	1.344	0.145	Oct 2016	0.157	Oct 2017	0.160	Oct 2018	-		0.160	Continuing	Continuing	Continuing
Software Development	Various	Northrop Grumman Information : McLean, VA	37.696	1.914	Nov 2016	2.182	Nov 2017	2.701	Nov 2018	-		2.701	Continuing	Continuing	Continuing
Prior Year Support no Longer Funded in Budget Year or Out years	Various	Various : Various	0.216	0.000		0.000		0.000		-		0.000	0.000	0.216	-
Subtotal			39.256	2.059		2.339		2.861		-		2.861	Continuing	Continuing	N/A

Remarks

Remarks: Funds are for development efforts associated with Commercial Off The Shelf (COTS) obsolescence on the fully deployed COTS Intensive Joint Engineering Data Management Infomation & Control System. Funds are for COTS evaulation, integration, and test and evaluation.   The common baseline will be maintained and obsolete COTS software and hardware will be replaced. Baseline releases will protect joint interoperability, upgrade operating systems for security patches and supportable versions, support integration to replace obsolete COTS, and upgrade the Oracle database to supportable versions.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017 Cost	FY 2017 Award Date	FY 2018 Cost	FY 2018 Award Date	FY 2019 Base Cost	FY 2019 Base Award Date	FY 2019 OCO Cost	FY 2019 OCO Award Date	FY 2019 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MIPR	WR-ALC/TILAB : Robins AFB, GA	2.546	0.026	Oct 2016	0.026	Oct 2017	0.026	Oct 2018	-		0.026	Continuing	Continuing	Continuing
Subtotal			2.546	0.026		0.026		0.026		-		0.026	Continuing	Continuing	N/A

Remarks

Supports testing and evaluation of baseline releases in a user environment.

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017 Cost	FY 2017 Award Date	FY 2018 Cost	FY 2018 Award Date	FY 2019 Base Cost	FY 2019 Base Award Date	FY 2019 OCO Cost	FY 2019 OCO Award Date	FY 2019 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	WR	Naval Air Warfare Center : NAS Patuxent River, MD	0.292	0.013	Oct 2016	0.015	Oct 2017	0.015	Oct 2018	-		0.015	Continuing	Continuing	Continuing

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2019 Navy				**Date:** February 2018
Appropriation/Budget Activity 1319 / 4		**R-1 Program Element (Number/Name)** PE 0603739N / Navy Logistic Productivity		**Project (Number/Name)** 2955 / JEDMICS

Management Services ($ in Millions)				**FY 2017**		**FY 2018**		**FY 2019 Base**		**FY 2019 OCO**		**FY 2019 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**
Travel	Various	Various : Various	0.277	0.011	Jul 2017	0.011	Jul 2018	0.011	Jul 2019	-		0.011	Continuing	Continuing	Continuing
Prior Year Mgmt no Longer Funded in Budget Year or Out years	Various	Various : Various	1.083	0.000		0.000		0.000		-		0.000	0.000	1.083	-
Subtotal			1.652	0.024		0.026		0.026		-		0.026	Continuing	Continuing	N/A

<u>**Remarks**</u>
Supports program compliance reviews and program related travel by government employees.

	Prior Years	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Project Cost Totals	43.454	2.109	2.391	2.913	-	2.913	Continuing	Continuing	N/A

<u>**Remarks**</u>

Exhibit R-4, **RDT&E Schedule Profile:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 2955 / *JEDMICS*

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
JEDMICS																												
Aquisition Milestones: IOC: IOC Release 3.0.17		▮																										
Aquisition Milestones: IOC: IOC Release 3.0.18						▮																						
Aquisition Milestones: IOC: IOC Release 3.0.19										▮																		
Aquisition Milestones: IOC: IOC Release 3.0.20														▮														
Aquisition Milestones: IOC: IOC Release 3.0.21																		▮										
Aquisition Milestones: IOC: IOC Release 3.0.22																						▮						
Aquisition Milestones: IOC: IOC Release 3.0.23																											▮	
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.19			▮																									
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.20							▮																					
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.21											▮																	
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.22															▮													
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.23																			▮									
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.24																							▮					

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 2955 / *JEDMICS*

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.25																												■
Aquisition Milestones: Contract Award: 2017 Contract Award	■																											
Aquisition Milestones: Contract Award: 2018 Contract Award					■																							
Aquisition Milestones: Contract Award: 2019 Contract Award									■																			
Aquisition Milestones: Contract Award: 2020 Contract Award													■															
Aquisition Milestones: Contract Award: 2021 Contract Award																	■											
Aquisition Milestones: Contract Award: 2022 Contract Award																					■							
Aquisition Milestones: Contract Award: 2023 Contract Award																									■			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.18	■	■																										
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.19					■	■																						
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.20									■	■																		
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.21													■	■														

Exhibit R-4, **RDT&E Schedule Profile:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 2955 / *JEDMICS*

Milestone	FY 2017 Q1	Q2	Q3	Q4	FY 2018 Q1	Q2	Q3	Q4	FY 2019 Q1	Q2	Q3	Q4	FY 2020 Q1	Q2	Q3	Q4	FY 2021 Q1	Q2	Q3	Q4	FY 2022 Q1	Q2	Q3	Q4	FY 2023 Q1	Q2	Q3	Q4
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.22																	█	█										
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.23																					█	█						
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.24																									█	█		
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.18		█																										
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.19						█																						
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.20										█																		
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.21														█														
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.22																		█										
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.23																						█						
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.24																										█		
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.18			█																									
Test & Evaluation Milestones: Developmental/Functional Testing:							█																					

Exhibit R-4, **RDT&E Schedule Profile:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 **/** 4	**R-1 Program Element (Number/Name)** PE 0603739N **/** *Navy Logistic Productivity*	**Project (Number/Name)** 2955 **/** *JEDMICS*

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Developmental/Functional Testing Release 3.0.19																												
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.20												▬																
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.21																▬												
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.22																				▬								
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.23																								▬				
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.24																												▬
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.18			▬																									
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.19						▬																						
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.20									▬																			
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.21													▬															

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / Navy Logistic Productivity	**Project (Number/Name)** 2955 / JEDMICS

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.22																		■	■									
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.23																						■	■					
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.24																										■		
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.17		■																										
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.18						■																						
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.19										■																		
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.20														■														
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.21																		■										
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.22																						■						
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.23																										■		

Exhibit R-4A, **RDT&E Schedule Details:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 2955 / *JEDMICS*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
JEDMICS				
Aquisition Milestones: IOC: IOC Release 3.0.17	2	2017	2	2017
Aquisition Milestones: IOC: IOC Release 3.0.18	2	2018	2	2018
Aquisition Milestones: IOC: IOC Release 3.0.19	2	2019	2	2019
Aquisition Milestones: IOC: IOC Release 3.0.20	2	2020	2	2020
Aquisition Milestones: IOC: IOC Release 3.0.21	2	2021	2	2021
Aquisition Milestones: IOC: IOC Release 3.0.22	2	2022	2	2022
Aquisition Milestones: IOC: IOC Release 3.0.23	2	2023	2	2023
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.19	4	2017	4	2017
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.20	4	2018	4	2018
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.21	4	2019	4	2019
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.22	4	2020	4	2020
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.23	4	2021	4	2021
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.24	4	2022	4	2022
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.25	4	2023	4	2023
Aquisition Milestones: Contract Award: 2017 Contract Award	1	2017	1	2017
Aquisition Milestones: Contract Award: 2018 Contract Award	1	2018	1	2018
Aquisition Milestones: Contract Award: 2019 Contract Award	1	2019	1	2019

Exhibit R-4A, **RDT&E Schedule Details:** PB 2019 Navy				**Date:** February 2018			
Appropriation/Budget Activity 1319 / 4				**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*		**Project (Number/Name)** 2955 / *JEDMICS*	
	Start		**End**				
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**			
Aquisition Milestones: Contract Award: 2020 Contract Award	1	2020	1	2020			
Aquisition Milestones: Contract Award: 2021 Contract Award	1	2021	1	2021			
Aquisition Milestones: Contract Award: 2022 Contract Award	1	2022	1	2022			
Aquisition Milestones: Contract Award: 2023 Contract Award	1	2023	1	2023			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.18	1	2017	3	2017			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.19	1	2018	3	2018			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.20	1	2019	3	2019			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.21	1	2020	3	2020			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.22	1	2021	3	2021			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.23	1	2022	3	2022			
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.24	1	2023	3	2023			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.18	3	2017	3	2017			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.19	3	2018	3	2018			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.20	3	2019	3	2019			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.21	3	2020	3	2020			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.22	3	2021	3	2021			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.23	3	2022	3	2022			
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.24	3	2023	3	2023			
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/ Functional Testing Release 3.0.18	4	2017	4	2017			

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy				Date: February 2018	
Appropriation/Budget Activity 1319 / 4		**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*		**Project (Number/Name)** 2955 / *JEDMICS*	

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.19	4	2018	4	2018
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.20	4	2019	4	2019
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.21	4	2020	4	2020
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.22	4	2021	4	2021
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.23	4	2022	4	2022
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.24	4	2023	4	2023
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.18	4	2017	1	2018
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.19	4	2018	1	2019
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.20	4	2019	1	2020
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.21	4	2020	1	2021
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.22	4	2021	1	2022
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.23	4	2022	1	2023
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.24	4	2023	4	2023
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.17	2	2017	2	2017
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.18	2	2018	2	2018
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.19	2	2019	2	2019
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.20	2	2020	2	2020
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.21	2	2021	2	2021

Exhibit R-4A, **RDT&E Schedule Details:** PB 2019 Navy			**Date:** February 2018	
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*		**Project (Number/Name)** 2955 / *JEDMICS*	

	Start		**End**	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.22	2	2022	2	2022
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.23	2	2023	2	2023

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy										Date: February 2018	
Appropriation/Budget Activity 1319 / 4				**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*					**Project (Number/Name)** 3223 / *Logistics R&D*		

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
3223: *Logistics R&D*	2.180	0.864	0.604	1.146	-	1.146	1.093	0.977	0.997	1.018	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Stable annual funding is required to facilitate implementation and execution of a robust, flexible Logistics R&D program that will provide the means for Naval Supply Systems Command (NAVSUP) to effectively pursue solutions to mission-related capability and technology gaps. The NAVSUP Logistics R&D program has an established infrastructure and business process for ensuring that R&D funds are applied to projects that address high priority enterprise needs established in accordance with OPNAV goals and the NAVSUP Commander's Guidance.

From a process perspective, Logistics R&D investments are governed by a NAVSUP enterprise-wide Executive Steering Group (ESG) chaired by the NAVSUP Vice Commander, and comprised of SES and Command leadership representatives. The ESG ratifies capability and technology gaps identified by all activities within the enterprise, and then assesses and prioritizes all proposed Logistics R&D initiatives in accordance with their potential for filling the established gap and generating return on investment.

The established Logistics R&D business management process has currently identified capability/technology gaps in the following general areas: 1) the need to develop formalized energy management techniques that focus on energy and resource conservation; increased energy efficiency of new and existing systems and facilities; and increased use of alternative energy products, 2) the need to modernize quality of life (QOL) services to improve overall services, offer additional desired features and reduce total ownership costs, 3) the need to assess clothing protection for the warfighter in areas of thermal/flame threats, protective footwear, and physical (hearing, vibration, etc.) clothing/accessories, 4) the need to develop logistics data access and information sharing through enhanced Graphical User Interfaces (GUI) and web-based data services, 5) the need to develop a capability that allows Integrated Logistics Support (ILS) repair and modernization tools, 6) the need to leverage breakthrough technologies to improve supply chain processing. This modest R&D investment will establish a NAVSUP Logistics R&D Program to explore additional technologies and significantly increase potential cost savings.

The FY 2018 request was reduced by -$0.351 million to account for the availability of prior year execution balances.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Effective Food Service Management	0.000	0.000	0.185	0.000	0.185
Articles:	-	-	-	-	-
Description: Food Service Management programs and services lack automation and technology which creates inefficiencies and a lack of easy access to the comprehensive information and training required for making informed management decisions impacting both the execution of supporting business processes and providing service to the customer. Capabilities that increase automation of food service business processes, administrative					

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 3223 / *Logistics R&D*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
requirements, and training. Technologies that automate and incorporate food science initiatives, improve menu production and selections, implement new food service concepts, and improve customers' dining experience including increasing nutritional knowledge and how it factors into overall human performance. *FY 2018 Plans:* N/A *FY 2019 Base Plans:* New focus effort for food service and ashore/afloat galley management in support of reduced manpower requirements. Develop automated solutions for food service processes to improve operations and increase Sailor knowledge of nutrition awareness, and human performance. *FY 2019 OCO Plans:* N/A *FY 2018 to FY 2019 Increase/Decrease Statement:* The funding increase from FY 2018 to FY 2019 supports developing effective Food Service Management (FSM) automated solutions to improve FSM operations and human performance, and increase Sailor nutrition awareness knowledge.					
Title: Quality of Life Services Modernization & Cost Reduction (Initiative 1)	0.000	0.000	0.250	0.000	0.250
Articles:	-	-	-	-	-
Description: NAVSUP Quality of Life (QOL) services include subsistence in kind (SIK) food service, retail, postal, laundry, vending, barber shop, household goods and disbursing/Navy Cash, are in many cases inefficient, costly to operate, and lack easy access to the comprehensive information required to make informed management decisions impacting execution of routine supporting business processes. QOL services aims to leverage new technology which will improve support information systems, security, health, etc., and reduce total ownership costs. NAVSUP owns the Food Service Program for the Navy as part of logistics and quality of life programs and is responsible for managing the overall policy including training, food safety, and implementation of "Go for Green" program for the Navy. "Go for Green" is a DoD program that promotes healthful food and beverage choices in order to optimize the performance, readiness, and health of our service members. Future funding may include projects such as new platforms being developed to focus on human performance, physical training and nutrition applications that will be integrated with the "Go for Green" DoD effort. *FY 2018 Plans:*					

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy			Date: February 2018	
Appropriation/Budget Activity 1319 / 4		R-1 Program Element (Number/Name) PE 0603739N / *Navy Logistic Productivity*	Project (Number/Name) 3223 / *Logistics R&D*	

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
N/A ***FY 2019 Base Plans:*** Leverage Augmented Reality (AR) technology to develop state of the art training modules for Navy Regional Mail Centers (NRMCs) in Norfolk and San Diego which will provide AR training of postal functions that can significantly lower Navy Service-Wide Transportation costs, provide better customer service to shipboard and ashore customers, reduce postal offenses, decrease number of postal inquiries on tracking mail, and improve the Navy's overall corporate knowledge through dramatically improved training. ***FY 2019 OCO Plans:*** N/A ***FY 2018 to FY 2019 Increase/Decrease Statement:*** The funding increase from FY 2018 to FY 2019 supports leveraging Augmented Reality (AR) technology to develop state of the art postal functions training modules for Navy Regional Mail Centers (NRMCs) in Norfolk and San Diego. These training modules can significantly lower Navy Service-Wide Transportation costs, provide better customer service to shipboard and ashore customers, reduce postal offenses, decrease number of postal inquiries on tracking mail, and improve the Navy's overall corporate knowledge through dramatically improved training.					
Title: Quality of Life Services Modernization & Cost Reduction (Initiative 2) ***Articles:***	0.000 -	0.275 -	0.250 -	0.000 -	0.250 -
Description: NAVSUP Quality of Life (QOL) services include subsistence in kind (SIK) food service, retail, postal, laundry, vending, barber shop, household goods and disbursing/Navy Cash, are in many cases inefficient, costly to operate, and lack easy access to the comprehensive information required to make informed management decisions impacting execution of routine supporting business processes. QOL services aims to leverage new technology which will improve support information systems, security, health, etc., and reduce total ownership costs. NAVSUP owns the Food Service Program for the Navy as part of logistics and quality of life programs and is responsible for managing the overall policy including training, food safety, and implementation of "Go for Green" program for the Navy. "Go for Green" is a DoD program that promotes healthful food and beverage choices in order to optimize the performance, readiness, and health of our service members. Future funding may include projects such as new platforms being developed to focus on human performance, physical training and nutrition applications that will be integrated with the "Go for Green" DoD effort. ***FY 2018 Plans:***					

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 **/** 4	**R-1 Program Element (Number/Name)** PE 0603739N **/** *Navy Logistic Productivity*	**Project (Number/Name)** 3223 **/** *Logistics R&D*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**
Enhancing data integration of substance, retail, postal, laundry, vending, barbershop, household, goods to offer additional desired features (such as those which would improve supporting information systems, security, health, etc., and reduce total ownership costs.					
FY 2019 Base Plans: Leveraging new technology, we will continue to develop key educational tools to provide the sailors and their families with healthy lifestyles. Conduct complete Amphibious Ready Group (ARG) and Carrier Strike Group (CSG) predeployment briefs and training.					
FY 2019 OCO Plans: N/A					
FY 2018 to FY 2019 Increase/Decrease Statement: There is no significant change from FY 2018 to FY 2019.					
Title: Readiness through Logistics Solutions	0.600	0.128	0.268	0.000	0.268
Articles:	-	-	-	-	-
Description: Supply chain improvements are required to support logistics efficiency and Fleet readiness through logistics solutions technological improvements. Develop technological capabilities that improve Naval Logistics in part or in its record (from manufacture, storage, delivery, use, maintenance, and disposal).					
FY 2018 Plans: Finalize Sea Service Deployment Module (SSDM) functionality.					
FY 2019 Base Plans: Application of Next Generation Radio Frequency Identification (RFID) technology in support of Naval Supply Chain Management. Integration of multiple emerging RFID technologies lend themselves to supporting ongoing efforts throughout both the NAVSUP Enterprise and the DON in the following areas: improved Inventory Accuracy (IA) and Asset Visibility (AV), Financial Improvement Audit Readiness (FIAR) support, increased readiness through asset health monitoring, asset movement to alert on possible diversion/counterfeiting risks. The resultant capability will be implemented in a near real time location system (RTLS) manner that provides initial operational test (item temperature, vibration, shock, flow rate, use event/metric) information in conjunction with item movement details while utilizing mesh communications to collect data without needing to implement an expensive infrastructure.					
FY 2019 OCO Plans:					

UNCLASSIFIED

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 3223 / *Logistics R&D*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**
N/A ***FY 2018 to FY 2019 Increase/Decrease Statement:*** The funding increase from FY 2018 to FY 2019 supports the Application of Next Generation Radio Frequency Identification (RFID) technology in support of Naval Supply Chain Management. Next Generation RFID technologies will improve Inventory Accuracy (IA), Asset Visibility (AV), and Financial Improvement Audit Readiness (FIAR) support, and increase readiness through asset health monitoring and asset movement alerts on possible diversion/counterfeiting risks.					
Title: Clothing Protection for the Warfighter	0.264	0.201	0.193	0.000	0.193
Articles:	-	-	-	-	-
Description: Uniforms/protective clothing do not provide comfortable and/or adequate protection for the Warfighter in threat areas such as, thermal/flame, adverse environmental conditions (e.g., heat, cold, rain/snow, water immersion), hazardous chemicals, and physical trauma (hearing, vibration, blunt force, etc.). Further, the physical properties of current uniform items need improvement in the areas of color retention (e.g., reduce fading) and comfort (e.g., reduce weight and optimize moisture management while minimizing care). ***FY 2018 Plans:*** Identify challenges to effectively manage durability and safety aspects of common work/combat uniforms for the warfighter. Eliminate risk of potential hazardous such as fire, weather, and general wear/tear to maximize readiness and strength in Fleet uniforms. Assist with rollout of the Navy's Type III uniform. ***FY 2019 Base Plans:*** Leverage opportunities to work joint criteria with sister-services to collect data that will address the deficiencies of current organizational clothing and improve materials and construction methods and design. ***FY 2019 OCO Plans:*** N/A ***FY 2018 to FY 2019 Increase/Decrease Statement:*** There is no significant change from FY 2018 to FY 2019.					
Accomplishments/Planned Programs Subtotals	0.864	0.604	1.146	0.000	1.146

C. Other Program Funding Summary ($ in Millions)
 N/A

Exhibit R-2A, **RDT&E Project Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*	**Project (Number/Name)** 3223 / *Logistics R&D*

C. Other Program Funding Summary ($ in Millions)

Remarks

D. Acquisition Strategy

NAVSUP R&D executed through firm fixed price negotiated contracts and NAVSUP support. Performance-based reviews conducted quarterly by the Project Management Office.

E. Performance Metrics

Development of capability and technology gaps initiatives are monitored quarterly by the NAVSUP R&D Program Management Office.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy												**Date:** February 2018		
Appropriation/Budget Activity 1319 / 4						**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*						**Project (Number/Name)** 3223 / *Logistics R&D*		

Product Development ($ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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**
Effective Food Service Management	C/FFP	Various : Various	0.000	0.000		0.000		0.185	Dec 2018	-		0.185	Continuing	Continuing	Continuing
Quality of Life Services Modernization & Cost Reduction (Initiative 1)	C/FFP	BSC : Mechanicsburg, PA	0.259	0.000		0.000		0.250	Jan 2019	-		0.250	Continuing	Continuing	Continuing
Quality of Life Services Modernization & Cost Reduction (Initiative 2)	C/FFP	Various : Various	0.785	0.000		0.275	Jan 2018	0.250	Nov 2018	-		0.250	Continuing	Continuing	Continuing
Readiness through Logistics Solutions	C/FFP	SSDM : Scott AFB, IL	0.475	0.600	May 2017	0.128	Dec 2017	0.268	Dec 2018	-		0.268	Continuing	Continuing	Continuing
Clothing Protection for the Warfighter	C/FFP	NCTRF : Natick,MA	0.661	0.264	Mar 2017	0.201	Dec 2017	0.193	Dec 2018	-		0.193	Continuing	Continuing	Continuing
Subtotal			2.180	0.864		0.604		1.146		-		1.146	Continuing	Continuing	N/A

Remarks

NLP funding of $864K was dispersed through the following projects: Black Safety Boot, Cold/Wet Weather Clothing Ensemble, these projects will conduct comprehensive research, testing, and evaluations to provide solid result of improvements needed to sustain the Fleet uniform initiatives. Sea Service Deployment Module will modernize a unit move information technology system to facilitate FY15 JROCM mandates, pending IA certification requirements as well as (Naval) forces required use of the force deployment planning and execution business procedures.

	Prior Years	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Project Cost Totals	2.180	0.864	0.604	1.146	-	1.146	Continuing	Continuing	N/A

Remarks

In previous plans, NAVSUP forecast budget requirements based on projections rooted in the current year's capability gaps. As our priorities and Strategic Guidance evolves so does our budget requirements. Through leveraging new technologies, NAVSUP will enhance efforts for supply ashore and distant support. We will strengthen our supply chain information technology and management solutions for supply and financial requirements. We will collaborate with partners to improve the quality-of-life experiences and expand services to deployed forces. NAVSUP will continue to build an ethical and effective workforce dedicated to the mission by developing new technological programs that are advantageous to the warfighter. We will reduce risk and minimize vulnerabilities to protect against disruptions to supply chain and business systems. All of our actions will follow a culture of moral excellence to successfully execute the current and future missions of NAVSUP.

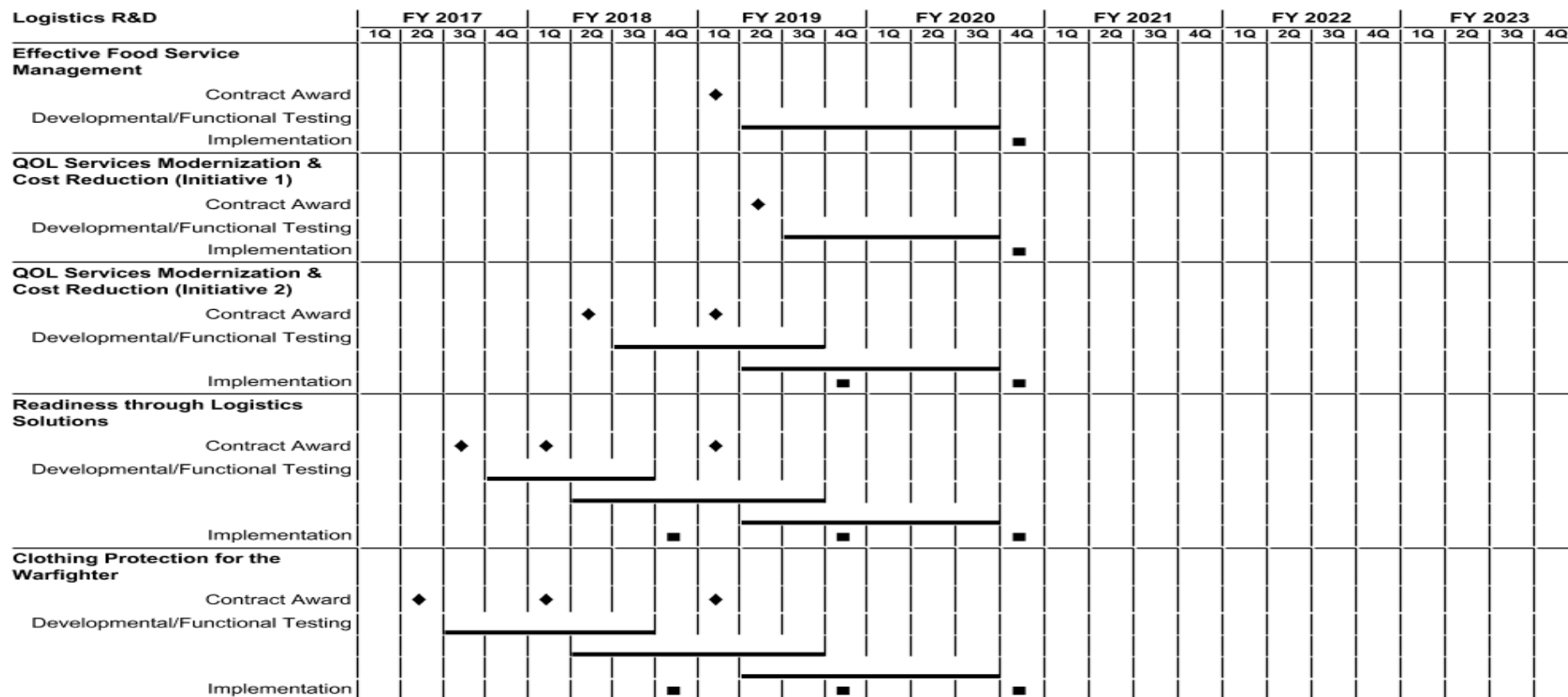| Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0603739N / Navy Logistic Productivity	**Project (Number/Name)** 3223 / Logistics R&D

Logistics R&D

Schedule covering FY 2017–FY 2023 (quarterly) for:

- **Effective Food Service Management**: Contract Award; Developmental/Functional Testing; Implementation
- **QOL Services Modernization & Cost Reduction (Initiative 1)**: Contract Award; Developmental/Functional Testing; Implementation
- **QOL Services Modernization & Cost Reduction (Initiative 2)**: Contract Award; Developmental/Functional Testing; Implementation
- **Readiness through Logistics Solutions**: Contract Award; Developmental/Functional Testing; Implementation
- **Clothing Protection for the Warfighter**: Contract Award; Developmental/Functional Testing; Implementation

2019OSD - 0603739N - 3223

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy				**Date:** February 2018	
Appropriation/Budget Activity 1319 / 4		**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*		**Project (Number/Name)** 3223 / *Logistics R&D*	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
Logistics R&D				
Effective Food Service Management: Contract Award: FY 2019 Contract Award	1	2019	1	2019
Effective Food Service Management: Developmental/Functional Testing: Developmental/Functional Testing	2	2019	3	2020
Effective Food Service Management: Implementation: Implementation	4	2020	4	2020
QOL Services Modernization & Cost Reduction (Initiative 1): Contract Award: FY 2019 Contract Award	2	2019	2	2019
QOL Services Modernization & Cost Reduction (Initiative 1): Developmental/Functional Testing: Developmental/Functional Testing	3	2019	3	2020
QOL Services Modernization & Cost Reduction (Initiative 1): Implementation: Implementation	4	2020	4	2020
QOL Services Modernization & Cost Reduction (Initiative 2): Contract Award: FY 2018 Contract Award	2	2018	2	2018
QOL Services Modernization & Cost Reduction (Initiative 2): Contract Award: FY 2019 Contract Award	1	2019	1	2019
QOL Services Modernization & Cost Reduction (Initiative 2): Developmental/Functional Testing: FY 2018 Developmental/Functional Testing	3	2018	3	2019
QOL Services Modernization & Cost Reduction (Initiative 2): Developmental/Functional Testing: FY 2019 Developmental/Functional Testing	2	2019	3	2020
QOL Services Modernization & Cost Reduction (Initiative 2): Implementation: FY 2018 Implementation	4	2019	4	2019
QOL Services Modernization & Cost Reduction (Initiative 2): Implementation: FY 2019 Implementation	4	2020	4	2020
Readiness through Logistics Solutions: Contract Award: FY 2017 Contract Award	3	2017	3	2017
Readiness through Logistics Solutions: Contract Award: FY 2018 Contract Award	1	2018	1	2018

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy				Date: February 2018	
Appropriation/Budget Activity 1319 / 4		**R-1 Program Element (Number/Name)** PE 0603739N / *Navy Logistic Productivity*		**Project (Number/Name)** 3223 / *Logistics R&D*	

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Readiness through Logistics Solutions: Contract Award: FY 2019 Contract Award	1	2019	1	2019
Readiness through Logistics Solutions: Developmental/Functional Testing: FY 2017 Developmental/Functional Testing	4	2017	3	2018
Readiness through Logistics Solutions: Developmental/Functional Testing: FY 2018 Developmental/Functional Testing	2	2018	3	2019
Readiness through Logistics Solutions: Developmental/Functional Testing: FY 2019 Developmental/Functional Testing	2	2019	3	2020
Readiness through Logistics Solutions: Implementation: FY 2017 Implementation	4	2018	4	2018
Readiness through Logistics Solutions: Implementation: FY 2018 Implementation	4	2019	4	2019
Readiness through Logistics Solutions: Implementation: FY 2019 Implementation	4	2020	4	2020
Clothing Protection for the Warfighter: Contract Award: FY 2017 Contract Award	2	2017	2	2017
Clothing Protection for the Warfighter: Contract Award: FY 2018 Contract Award	1	2018	1	2018
Clothing Protection for the Warfighter: Contract Award: FY 2019 Contract Award	1	2019	1	2019
Clothing Protection for the Warfighter: Developmental/Functional Testing: FY 2017 Developmental/Functional Testing	3	2017	3	2018
Clothing Protection for the Warfighter: Developmental/Functional Testing: FY 2018 Developmental/Functional Testing	2	2018	3	2019
Clothing Protection for the Warfighter: Developmental/Functional Testing: FY 2019 Developmental/Functional Testing	2	2019	3	2020
Clothing Protection for the Warfighter: Implementation: FY 2017 Implementation	4	2018	4	2018
Clothing Protection for the Warfighter: Implementation: FY 2018 Implementation	4	2019	4	2019
Clothing Protection for the Warfighter: Implementation: FY 2019 Implementation	4	2020	4	2020