

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy **Date:** February 2016

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603739N / <i>Navy Logistic Productivity</i>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	40.744	3.355	3.866	3.089	-	3.089	3.243	3.036	3.051	3.109	Continuing	Continuing
2955: <i>JEDMICS</i>	38.044	2.570	2.945	2.191	-	2.191	2.288	2.062	2.056	2.094	Continuing	Continuing
3223: <i>Logistics R&D</i>	2.700	0.785	0.921	0.898	-	0.898	0.955	0.974	0.995	1.015	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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	3.473	3.866	3.276	-	3.276
Current President's Budget	3.355	3.866	3.089	-	3.089
Total Adjustments	-0.118	0.000	-0.187	-	-0.187
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.118	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.187	-	-0.187

Change Summary Explanation

The FY 2017 funding request was reduced by -\$0.052 million to account for the availability of prior year execution balances and by -\$0.130 million as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

Technical: Not applicable.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603739N / <i>Navy Logistic Productivity</i>	
Schedule: Not applicable.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy										Date: February 2016		
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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
2955: JEDMICS	38.044	2.570	2.945	2.191	-	2.191	2.288	2.062	2.056	2.094	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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: JEDMICS Development	2.518	2.893	2.141	0.000	2.141
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 2015 Accomplishments: Developed and integrated JEDMICS Software Release 3.0.16.					
FY 2016 Plans:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy	Date: February 2016
--------------------------------------------------------------------	----------------------------

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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
-----------------------------------------------------------------------------------------	---------	---------	--------------	-------------	---------------

Develop and integrate JEDMICS Software Release 3.0.17. FY 2017 Base Plans: Develop and integrate JEDMICS Software Release 3.0.18. FY 2017 OCO Plans: N/A					
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--

Title: JEDMICS Test Articles: Description: Conduct test and readiness reviews and functional performance tests on JEDMICS system. FY 2015 Accomplishments: Completed DT of JEDMICS Software Release 3.0.15. Initiated DT of JEDMICS Software Release 3.0.16. FY 2016 Plans: Complete DT of JEDMICS Software Release 3.0.16. Initiate DT of JEDMICS Software Release 3.0.17. FY 2017 Base Plans: Complete DT of JEDMICS Software Release 3.0.17. Initiate DT of JEDMICS Software Release 3.0.18. FY 2017 OCO Plans: N/A	0.026 -	0.027 -	0.026 -	0.000 -	0.026 -
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------	------------	------------	------------	------------

Title: JEDMICS Evaluation & Review Articles: Description: Conduct technical evaluations and configuration control reviews of JEDMICS system. FY 2015 Accomplishments: Conducted technical evaluations and reviews for JEDMICS Software Release 3.0.17. FY 2016 Plans: Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.18. FY 2017 Base Plans: Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.19. FY 2017 OCO Plans:	0.026 -	0.025 -	0.024 -	0.000 -	0.024 -
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------	------------	------------	------------	------------

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy	Date: February 2016
--------------------------------------------------------------------	----------------------------

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

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
N/A					
Accomplishments/Planned Programs Subtotals	2.570	2.945	2.191	0.000	2.191

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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy **Date:** February 2016

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

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	C/IDIQ	Wyle Laboratories, Inc : Huntsville, AL	1.007	0.147	Oct 2014	0.144	Oct 2015	0.145	Oct 2016	-		0.145	Continuing	Continuing	Continuing
Software Development	SS/T&M	Northrop Grumman Information : McLean, VA	32.719	2.371	Nov 2014	2.749	Nov 2015	1.996	Nov 2016	-		1.996	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			33.942	2.518		2.893		2.141		-		2.141	-	-	-

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 Information & Control System. Funds are for COTS evaluation, 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)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation	MIPR	WR-ALC/TILAB : Robins AFB, GA	2.495	0.026	Oct 2014	0.027	Oct 2015	0.026	Oct 2016	-		0.026	Continuing	Continuing	Continuing
Subtotal			2.495	0.026		0.027		0.026		-		0.026	-	-	-

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

Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Support	WR	Naval Air Warfare Center : NAS Patuxent River, MD	0.266	0.013	Oct 2014	0.014	Oct 2015	0.013	Oct 2016	-		0.013	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy **Date:** February 2016

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 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Travel	Various	Various : Various	0.258	0.013	Jul 2015	0.011	Jul 2016	0.011	Jul 2017	-		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			1.607	0.026		0.025		0.024		-		0.024	-	-	-

Remarks
Supports program compliance reviews and program related travel by government employees.

	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	38.044	2.570	2.945	2.191	-	2.191	-	-	-

Remarks

UNCLASSIFIED

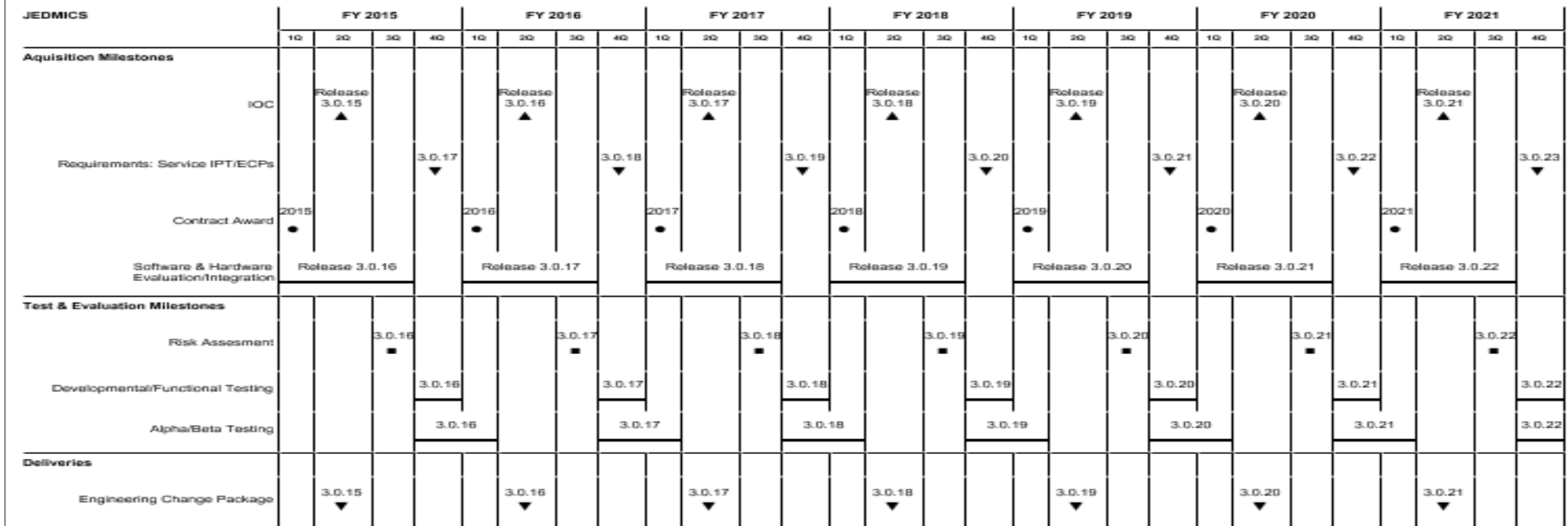
Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy

Date: February 2016

Appropriation/Budget Activity
1319 / 4

R-1 Program Element (Number/Name)
PE 0603739N / Navy Logistic Productivity

Project (Number/Name)
2955 / JEDMICS



2017OSD - 0603739N - 2955

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

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

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JEDMICS				
Aquisition Milestones: IOC: IOC Release 3.0.15	2	2015	2	2015
Aquisition Milestones: IOC: IOC Release 3.0.16	2	2016	2	2016
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: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.17	4	2015	4	2015
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.18	4	2016	4	2016
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: Contract Award: 2015 Contract Award	1	2015	1	2015
Aquisition Milestones: Contract Award: 2016 Contract Award	1	2016	1	2016
Aquisition Milestones: Contract Award: 2017 Contract Award	1	2017	1	2017

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Aquisition Milestones: Contract Award: 2018 Contract Award	1	2018	1	2018
Aquisition Milestones: Contract Award: 2019 Contract Award	1	2019	1	2019
Aquisition Milestones: Contract Award: 2020 Contract Award	1	2020	1	2020
Aquisition Milestones: Contract Award: 2021 Contract Award	1	2021	1	2021
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.16	1	2015	3	2015
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.17	1	2016	3	2016
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
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.16	3	2015	3	2015
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.17	3	2016	3	2016
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: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.16	4	2015	4	2015

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.17	4	2016	4	2016
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.18	4	2017	4	2017
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: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.16	4	2015	1	2016
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.17	4	2016	1	2017
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	4	2021
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.15	2	2015	2	2015
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.16	2	2016	2	2016
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

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
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

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy										Date: February 2016		
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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
3223: Logistics R&D	2.700	0.785	0.921	0.898	-	0.898	0.955	0.974	0.995	1.015	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.

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Energy Management Techniques	0.000	0.102	0.099	0.000	0.099
Articles:	-	-	-	-	-
Description: Formalized energy management requires two distinct pieces: 1) installation efforts and 2) alternative fuel efforts. Energy generation options and the availability of energy management techniques are required.					
FY 2015 Accomplishments:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy **Date:** February 2016

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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
N/A					
<p>FY 2016 Plans: Identify technologies that will increase recycling, improve electronics stewardship, increase energy usage awareness (e.g. electricity metering), assist in lifetime energy cost evaluations of contracts, promote "green" behavior, improve efficiency and performance of alternative energy sources, analyze and identify personnel and building energy reduction initiatives, and reduce overall petroleum dependency in all aspects of Navy logistics.</p> <p>FY 2017 Base Plans: Identify technologies that will increase recycling, improve electronics stewardship, increase energy usage awareness (e.g. electricity metering), assist in lifetime energy cost evaluations of contracts, promote "green" behavior, improve efficiency and performance of alternative energy sources, analyze and identify personnel and building energy reduction initiatives, and reduce overall petroleum dependency in all aspects of Navy logistics.</p> <p>FY 2017 OCO Plans: N/A</p>					
<p>Title: Quality of Life Services Modernization & Cost Reduction</p> <p align="right">Articles:</p> <p>Description: NAVSUP Quality of Life (QOL) services include subsistence, retail, postal, laundry, vending, barber shop, household goods and disbursing/Navy Cash. In many cases, these services are inefficient, costly to operate, and lack easy access to comprehensive information required to make informed management decisions impacting execution of routine supporting business processes.</p> <p>FY 2015 Accomplishments: CACPAY is being developed as an innovative cashless payment system to replace the legacy Navy Cash system. CACPAY provides the required onboard functions and leverages commercially available capabilities to eliminate the use of Government contracted bank support, Stored Value Cards, and an onboard full-time bank agents and system administrators (Disbursing Officer). CACPAY allows utilization of shore support (provided by NAVSUP Global Logistics Support) to facilitate fiduciary responsibilities with DFAS through the applicable Personnel Support Detachment.</p> <p>FY 2016 Plans:</p>	0.785	0.122	0.117	0.000	0.117
	-	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy			Date: February 2016		
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)					
<p>Enhance data integration of subsistence, retail, postal, laundry, vending, barbershop, household goods and disbursing/Navy Cash to offer additional desired features (such as those which would improve supporting information systems, security, health, etc.) and reduce total ownership costs.</p> <p>FY 2017 Base Plans: Enhance data integration of subsistence, retail, postal, laundry, vending, barbershop, household goods and disbursing/Navy Cash to offer additional desired features (such as those which would improve supporting information systems, security, health, etc.) and reduce total ownership costs.</p> <p>FY 2017 OCO Plans: N/A</p>					
<p>Title: Readiness through Logistics Solutions</p> <p align="right">Articles:</p> <p>Description: Supply chain improvements are required to support logistics efficiency and Fleet readiness through logistics solution technological improvements. Develop technological capabilities that improve Naval Logistics in part or in its entirety (throughout its life-cycle, from concept to completion "cradle to grave") of a DoD/ DON acquisition program of record (from manufacture, storage, delivery, use, maintenance, and disposal).</p> <p>FY 2015 Accomplishments: N/A</p> <p>FY 2016 Plans: Develop technological capabilities that improve Naval Logistics in part or in its entirety (throughout its life-cycle, from concept to completion "cradle to grave") of a DoD/ DON acquisition program of record (from manufacture, storage, delivery, use, maintenance, and disposal).</p> <p>FY 2017 Base Plans: Develop technological capabilities that improve Naval Logistics in part or in its entirety (throughout its life-cycle, from concept to completion "cradle to grave") of a DoD/ DON acquisition program of record (from manufacture, storage, delivery, use, maintenance, and disposal).</p> <p>FY 2017 OCO Plans: N/A</p>					
	0.000	0.153	0.152	0.000	0.152
	-	-	-	-	-
<p>Title: Logistics Data Access and Information Sharing</p> <p align="right">Articles:</p>					
	0.000	0.062	0.062	0.000	0.062
	-	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy	Date: February 2016
--------------------------------------------------------------------	----------------------------

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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
-----------------------------------------------------------------------------------------	----------------	----------------	---------------------	--------------------	----------------------

Description: Numerous electronic information technology (IT) systems exist that contain logistics data and information. Very often that data/information can be difficult to: 1) access by individual users, and 2) share between other IT systems. The lack of access and sharing results in inefficient processes and manual work-arounds which impede performance and increase cost.

FY 2015 Accomplishments:

N/A

FY 2016 Plans:

Identify capabilities to facilitate improved access and use of logistics data by both individual users and between IT systems. Capabilities include, but are not limited to, enhanced Graphical User Interfaces (GUI) and web-based data services and other community-based software tools and technologies that can enable broader exposure and sharing of logistics data based on customer requirements for data representation, metadata, format and delivery.

FY 2017 Base Plans:

Identify capabilities to facilitate improved access and use of logistics data by both individual users and between IT systems. Capabilities include, but are not limited to, enhanced Graphical User Interfaces (GUI) and web-based data services and other community-based software tools and technologies that can enable broader exposure and sharing of logistics data based on customer requirements for data representation, metadata, format and delivery.

FY 2017 OCO Plans:

N/A

Title: Breakthrough Technologies to Improve Supply Chain Processing	0.000	0.208	0.202	0.000	0.202
Articles:	-	-	-	-	-

Description: There is a distinct need within the DoN to enhance operational fleet readiness, reduce energy consumption, and reduce total ownership costs. Identify opportunities for using breakthrough technologies that will enhance operational fleet readiness, reduce energy consumption, and enable parts on demand manufacturing by defining the Warfighter Payoff and enhanced naval capabilities. Additive Manufacturing (AM) is a technology that is capable of helping the DoN achieve these goals through tighter integration of the maintenance/supply order fulfillment process. The term "additive manufacturing" describes processes that build three dimensional objects layer by layer from a variety of materials including plastics and structural metals.

FY 2015 Accomplishments:

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy	Date: February 2016
--------------------------------------------------------------------	----------------------------

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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
-----------------------------------------------------------------------------------------	---------	---------	--------------	-------------	---------------

<p>N/A</p> <p>FY 2016 Plans: Efforts of interest will continue to focus on assessing opportunities for use of AM technology in Order Fulfillment through timely insertion of AM technology into naval platforms and installations.</p> <p>FY 2017 Base Plans: Efforts of interest will continue to focus on assessing opportunities for use of AM technology in Order Fulfillment through timely insertion of AM technology into naval platforms and installations.</p> <p>FY 2017 OCO Plans: N/A</p>					
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--

<p>Title: Clothing Protection for the Warfighter</p> <p align="right">Articles:</p> <p>Description: Uniforms/protective clothing do not provide adequate protection for the Warfighter in the areas of 1) thermal/flame threats, 2) protective footwear as well as environmental (hot/cold weather, rain, etc.) and 3) physical (hearing, vibration, blunt force, etc.) clothing/accessories. A capability to assess commercial off-the-shelf (COTS) items, identify/develop laboratory test methods to determine applicability of COTS items and address quality assurance measures to allow upgrades to uniform/protective clothing capabilities in a cost effective manner. Enhanced capabilities are required in these areas to make the workforce more efficient.</p> <p>FY 2015 Accomplishments: N/A</p> <p>FY 2016 Plans: Identify capabilities to accurately identify the US Navy fit and define the proper "concept of fit" requirement to streamline the uniform issue process, allow the sailor to purchase an off the rack uniform without costly alternations and enhance uniform size forecasting - resulting in having the "needed" sizes in stock. Utilization of "virtual fit" processes will greatly improve the entire uniform management process (ordering, distribution and inventory management).</p> <p>FY 2017 Base Plans: Identify capabilities to accurately identify the US Navy fit and define the proper "concept of fit" requirement to streamline the uniform issue process, allow the sailor to purchase an off the rack uniform without costly alternations and enhance uniform size forecasting - resulting in having the "needed" sizes in stock. Utilization</p>	0.000 -	0.274 -	0.266 -	0.000 -	0.266 -
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------	------------	------------	------------	------------

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy	Date: February 2016
--------------------------------------------------------------------	----------------------------

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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
of "virtual fit" processes will greatly improve the entire uniform management process (ordering, distribution and inventory management).					
FY 2017 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	0.785	0.921	0.898	0.000	0.898

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

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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy **Date:** February 2016

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 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Navy Log Productivity Projects	Various	Various : Various	1.786	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Energy Management Techniques	C/BA	Various : Various	0.000	0.000		0.102	Apr 2016	0.099	Apr 2017	-		0.099	0.000	0.201	-
Quality of Life Services Modernization & Cost Reduction	C/BA	Harmonia : Blacksburg, VA	0.000	0.785	Apr 2015	0.122	Apr 2016	0.117	Apr 2017	-		0.117	0.000	1.024	-
Readiness through Logistics Solutions	C/BA	Various : Various	0.475	0.000		0.153	Apr 2016	0.152	Apr 2017	-		0.152	0.000	0.780	-
Breakthrough Technologies to Improve Supply Chain Processing	C/BA	Various : Various	0.157	0.000		0.208	Apr 2016	0.202	Apr 2017	-		0.202	0.000	0.567	-
Clothing Protection for the Warfighter	C/BA	Various : Various	0.222	0.000		0.274	Apr 2016	0.266	Apr 2017	-		0.266	0.000	0.762	-
Logistics Data Access and Information Sharing	C/BA	Various : Various	0.060	0.000		0.062	Apr 2016	0.062	Apr 2017	-		0.062	0.000	0.184	-
Subtotal			2.700	0.785		0.921		0.898		-		0.898	-	-	-

Remarks
 Quality of Life Services Modernization & Cost Reduction(Harmonia/Blacksburg VA - \$785K): CACPAY is being developed as an innovative cashless payment system to replace the legacy Navy Cash system. CACPAY provides the required onboard functions and leverages commercially available capabilities to eliminate the use of Government contracted bank support, Stored Value Cards, and an onboard full-time bank agents and system administrators (Disbursing Officer). CACPAY allows utilization of shore support (provided by NAVSUP Global Logistics Support) to facilitate fiduciary responsibilities with DFAS through the applicable Personnel Support Detachment.

	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2.700	0.785	0.921	0.898	-	0.898	-	-	-

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy **Date:** February 2016

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603739N / Navy Logistic Productivity	Project (Number/Name) 3223 / Logistics R&D
--------------------------------------------------	--------------------------------------------------------------------------------------	------------------------------------------------------

FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
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

Proj 3223	
Logistics R&D: Navy Logistics Productivity Development Testing FY2015	
Logistics R&D: Navy Logistics Productivity Development Testing FY2016	
Logistics R&D: Navy Logistics Productivity Development Testing FY2017	

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy **Date:** February 2016

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603739N / <i>Navy Logistic Productivity</i>	Project (Number/Name) 3223 / <i>Logistics R&D</i>
--------------------------------------------------	---------------------------------------------------------------------------------------------	-----------------------------------------------------------------

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3223</i>				
Logistics R&D: Navy Logistics Productivity Development Testing FY2015	1	2015	4	2015
Logistics R&D: Navy Logistics Productivity Development Testing FY2016	1	2016	4	2016
Logistics R&D: Navy Logistics Productivity Development Testing FY2017	1	2017	4	2017

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED