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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy **DATE:** April 2013

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					PE 0603739N: <i>Navy Logistic Productivity</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	29.881	4.054	3.811	5.797	-	5.797	3.874	3.900	3.968	4.040	Continuing	Continuing
2955: <i>JEDMICS</i>	29.881	2.801	2.887	2.899	-	2.899	2.962	2.972	3.024	3.079	Continuing	Continuing
3223: <i>Logistics R&D</i>	0.000	0.895	0.924	2.898	-	2.898	0.912	0.928	0.944	0.961	Continuing	Continuing
3225: <i>Ordnance PHST</i>	0.000	0.358	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.358

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

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 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	4.137	3.811	3.847	-	3.847
Current President's Budget	4.054	3.811	5.797	-	5.797
Total Adjustments	-0.083	0.000	1.950	-	1.950
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.024	0.000			
• SBIR/STTR Transfer	-0.059	0.000			
• Program Adjustments	0.000	0.000	1.950	-	1.950

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	
<u>Change Summary Explanation</u> Technical: Not applicable. Schedule: Due to Information Assurance requirements, software release titles for 3.13 and out have changed to 3.0.13 and out for Project Unit 2955, JEDMICS on the R-2A,R-4 and R-4A exhibits.		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity				PROJECT 2955: JEDMICS			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2955: JEDMICS	29.881	2.801	2.887	2.899	-	2.899	2.962	2.972	3.024	3.079	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
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 106,000,000 engineering images and has 25,000 authorized users responsible for over 70,000 user sessions per month. Over 2.5 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 6 interoperable sites that service 600 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 2012	FY 2013	FY 2014	
Title: JEDMICS Development									2.760	2.827	2.847	
									0	0	0	
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 2012 Accomplishments:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 2955: <i>JEDMICS</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Develop and integrate Joint Engineering Data Management Information & Control System (JEDMICS) Software Release 3.0.13. FY 2013 Plans: Develop and integrate JEDMICS Software Release 3.0.14. FY 2014 Plans: Develop and integrate JEDMICS Software Release 3.0.15.			FY 2014
Title: JEDMICS Test Articles: Description: Conduct test and readiness reviews and functional performance tests on JEDMICS system. FY 2012 Accomplishments: Complete Developmental Test (DT) of JEDMICS Software Release 3.12. Initiate DT of JEDMICS Software Release 3.0.13. FY 2013 Plans: Complete DT of JEDMICS Software Release 3.0.13. Initiate DT of JEDMICS Software Release 3.0.14. FY 2014 Plans: Complete DT of JEDMICS Software Release 3.0.14. Initiate DT of JEDMICS Software Release 3.0.15.		0.025 0	0.025 0
Title: JEDMICS Evaluation & Review Articles: Description: Conduct technical evaluations and configuration control reviews of JEDMICS system. FY 2012 Accomplishments: Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.14. FY 2013 Plans: Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.15. FY 2014 Plans: Conduct technical evaluations and reviews for JEDMICS Software Release 3.0.16.		0.016 0	0.035 0
Accomplishments/Planned Programs Subtotals		2.801	2.887
C. Other Program Funding Summary (\$ in Millions) N/A			0.027 0
			2.899

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 2955: <i>JEDMICS</i>
C. Other Program Funding Summary (\$ in Millions)		
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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>							R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>				PROJECT 2955: <i>JEDMICS</i>				

Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	C/IDIQ	Wyle Laboratories, Inc:Huntsville, AL	0.592	0.171	Oct 2011	0.159	Oct 2012	0.144	Oct 2013	-		0.144	Continuing	Continuing	Continuing
Software Development	SS/T&M	Northrop Grumman Information:McLean, VA	25.124	2.589	Nov 2011	2.668	Nov 2012	2.703	Nov 2013	-		2.703	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			25.932	2.760		2.827		2.847		0.000		2.847			

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 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MIPR	WR-ALC/ TILAB:Robins AFB, GA	2.420	0.025	Oct 2011	0.025	Oct 2012	0.025	Oct 2013	-		0.025	Continuing	Continuing	Continuing
Subtotal			2.420	0.025		0.025		0.025		0.000		0.025			

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

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>						R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>						PROJECT 2955: <i>JEDMICS</i>			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	WR	Naval Air Warfare Center:NAS Patuxent River, MD	0.224	0.014	Oct 2011	0.015	Oct 2012	0.013	Oct 2013	-		0.013	Continuing	Continuing	Continuing
Travel	Various	Various:Various	0.222	0.002	Jul 2012	0.020	Jul 2013	0.014	Jul 2014	-		0.014	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			1.529	0.016		0.035		0.027		0.000		0.027			
Remarks Supports program compliance reviews and program related travel by government employees.															
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			29.881	2.801		2.887		2.899		0.000		2.899			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy																								DATE: April 2013					
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)												R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity								PROJECT 2955: JEDMICS									
JEDMICS		FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Aquisition Milestones																													
IOC			Release 3.12 ▲				Release 3.0.13 ▲				Release 3.0.14 ▲				Release 3.0.15 ▲				Release 3.0.16 ▲				Release 3.0.17 ▲				Release 3.0.18 ▲		
Requirements: Service IPT/ECPs					3.0.14 ▼				3.0.15 ▼				3.0.16 ▼				3.0.17 ▼				3.0.18 ▼				3.0.19 ▼			3.0.20 ▼	
Contract Award		2012 ●				2013 ●				2014 ●				2015 ●				2016 ●				2017 ●				2018 ●			
Software & Hardware Evaluation/Integration		Release 3.0.13				Release 3.0.14				Release 3.0.15				Release 3.0.16				Release 3.0.17				Release 3.0.18				Release 3.0.19			
Test & Evaluation Milestones																													
Risk Assessment				3.0.13 ■			3.0.14 ■				3.0.15 ■				3.0.16 ■				3.0.17 ■				3.0.18 ■				3.0.19 ■		
Developmental/Functional Testing					3.0.13				3.0.14				3.0.15				3.0.16				3.0.17				3.0.18			3.0.19	
Alpha/Beta Testing		3.12			3.0.13				3.0.14				3.0.15				3.0.16				3.0.17				3.0.18			3.0.19	
Deliveries																													
Engineering Change Package			3.12 ▼				3.0.13 ▼				3.0.14 ▼				3.0.15 ▼				3.0.16 ▼				3.0.17 ▼				3.0.18 ▼		
2014PB - 0603739N - 2955																													

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 2955: <i>JEDMICS</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JEDMICS				
Aquisition Milestones: IOC: IOC Release 3.12	2	2012	2	2012
Aquisition Milestones: IOC: IOC Release 3.0.13	2	2013	2	2013
Aquisition Milestones: IOC: IOC Release 3.0.14	2	2014	2	2014
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: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.14	4	2012	4	2012
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.15	4	2013	4	2013
Aquisition Milestones: Requirements: Service IPT/ECPs: Service IPT/ECPs Release 3.0.16	4	2014	4	2014
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: Contract Award: 2012 Contract Award	1	2012	1	2012
Aquisition Milestones: Contract Award: 2013 Contract Award	1	2013	1	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity		PROJECT 2955: JEDMICS	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Aquisition Milestones: Contract Award: 2014 Contract Award		1	2014	1	2014
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
Aquisition Milestones: Contract Award: 2018 Contract Award		1	2018	1	2018
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.13		1	2012	3	2012
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.14		1	2013	3	2013
Aquisition Milestones: Software & Hardware Evaluation/Integration: Software Hardware Evaluation/Integration Release 3.0.15		1	2014	3	2014
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
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.13		3	2012	3	2012
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.14		3	2013	3	2013
Test & Evaluation Milestones: Risk Assesment: Risk Assessment Release 3.0.15		3	2014	3	2014
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

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity		PROJECT 2955: JEDMICS	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.13		4	2012	4	2012
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.14		4	2013	4	2013
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.15		4	2014	4	2014
Test & Evaluation Milestones: Developmental/Functional Testing: Developmental/Functional Testing Release 3.0.16		4	2015	4	2015
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: Alpha/Beta Testing: Alpha/Beta Testing Release 3.12		1	2012	1	2012
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.13		4	2012	1	2013
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.14		4	2013	1	2014
Test & Evaluation Milestones: Alpha/Beta Testing: Alpha/Beta Testing Release 3.0.15		4	2014	1	2015
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	4	2018
Deliveries: Engineering Change Package: Engineering Change Package Release 3.12		2	2012	2	2012
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.13		2	2013	2	2013
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.14		2	2014	2	2014

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		Start		End
Events by Sub Project		Quarter	Year	Quarter
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.15		2	2015	2
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.16		2	2016	2
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.17		2	2017	2
Deliveries: Engineering Change Package: Engineering Change Package Release 3.0.18		2	2018	2

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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3223: Logistics R&D	0.000	0.895	0.924	2.898	-	2.898	0.912	0.928	0.944	0.961	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
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/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, Log 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/technology gaps identified by all activities within the enterprise, and then assesses and prioritizes all proposed Log R&D initiatives in accordance with their potential for filling the established gap and generating return on investment.												
The established Log R&D business management process has currently identified capability/technology gaps in the following general areas: 1) the need to develop technology enhancements promoting the movement of shipboard supply operations ashore, especially as it relates to optimally manned ships, 2) developing and/or modernizing shipboard equipment, material or processes for which NAVSUP exercises Technical Authority, 3) developing and modernizing Information Technology (IT) and Automatic Identification Technology (AIT) applications to enhance performance of supply chain management and logistics functions (e.g., remote diagnostics/prognostics, in-transit visibility, unique item identification) that are not supported by Navy ERP, and 4) collaborating with acquisition program managers to reduce total ownership costs. This modest R&D investment will establish a NAVSUP Logistics R&D Program to explore additional technologies and significantly increase potential cost savings.												
Examples of specific issues/projects that are under consideration for investment of Log R&D funding as a result of the FY10 NAVSUP capability gap and initiative review include: Automated inventory management system; Shipboard ozone laundering; Improved general purpose protective equipment (helmet protection and anti-vibration gloves); Non-plastic waste bags; Counterfeit parts detection methodology; Afloat automatic identification technology architecture.												
This list of potential projects for addressing capability gaps will be updated and prioritized over time, under the oversight of the NAVSUP Log R&D ESG, to ensure that funds allocated provide the highest return on investment consistent with Navy/NAVSUP goals and objectives.												

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity		PROJECT 3223: Logistics R&D	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2012	FY 2013	FY 2014
Title: Automated Inventory Management System Articles:			0.545 0	0.562 0	0.000
FY 2012 Accomplishments: Continuation of objectives identified in FY11 FY 2013 Plans: Continuation of objectives identified in FY11					
Title: Shipboard Ozone Laundering Articles:			0.080 0	0.083 0	0.000
FY 2012 Accomplishments: Continuation of FY11 plans FY 2013 Plans: Continuation of FY11 plans if necessary					
Title: Improved General Purpose Protective Equipment Articles:			0.052 0	0.054 0	0.000
FY 2012 Accomplishments: Continuation of FY11 projects. FY 2013 Plans: Continuation of FY11 projects if necessary.					
Title: Non-Plastic Waste Bags Articles:			0.083 0	0.086 0	0.000
FY 2012 Accomplishments: Continuation of FY11 Projects. FY 2013 Plans: Continuation of FY12 Projects.					
Title: Counterfeit Parts Detection Methodology Articles:			0.068 0	0.070 0	0.000
FY 2012 Accomplishments:					

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 3223: <i>Logistics R&D</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Continuation of FY11 Projects.			
FY 2013 Plans: Continuation of FY11 Projects if necessary.			
Title: Afloat Automatic Identification Technology Architecture FY 2012 Accomplishments: Continuation of FY11 Projects. FY 2013 Plans: Continuation of Projects if necessary.		0.067 0	0.069 0
Articles:			
Title: Navy Pal FY 2014 Plans: Development of a Navy Pal payment system for cashless payments associated with the Navy Cash project. Plans TBD.		0.000	0.000
Articles:			1.950 0
Title: Navy Logistics Productivity Projects TBD Description: Projects for increasing Navy Logistics Productivity FY 2014 Plans: Projects will be determined during FY14.		0.000	0.000
Articles:			0.948 0
Accomplishments/Planned Programs Subtotals		0.895	0.924
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Automated Inventory Management System: Use of commercial warehouse management software and wireless Automatic Identification Technologies (AIT) to streamline afloat supply commodity management on large aviation platforms (CVN/LHA/LHD). Funds to provide initial year of multi-year Integrated Product & Process Development (IPPD) effort.			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 3223: <i>Logistics R&D</i>
Shipboard Ozone Laundering: Development and test of ozone laundering for shipboard use to reduce total operating costs and reduce environmental impact (energy and chemical) usage. Improved General Purpose Protective Equipment: Develop a helmet for shipboard, facility & aircraft maintenance personnel that incorporates hearing protection, air supply, face protection and a means to communicate; Develop anti-vibration protective gloves for maintenance, repair and construction personnel. Non-Plastic Waste Bags: Develop an alternative to plastic trash bags with similar performance characteristics, yet not containing plastic, in order to decrease the amount of plastic waste required to be processed aboard Navy vessels. Counterfeit Parts Detection Methodology: Develop a methodology utilizing existing databases and tools for the detection and mitigation of counterfeit parts in the naval aircraft supply chain. Mitigating counterfeit parts will reduce maintenance and AVDLR costs, while improving safety. Afloat Automatic Identification Technology Architecture: Establish an afloat AIT architecture that parallels the ashore solution and provides better visibility and reduces shipboard manning requirements. Funds to provide initial year of multi-year Integrated Product & Process Development (IPPD) effort. Navy Pal: Develop a cashless payment system for Navy similar to the commercial Paypal system. <u>E. Performance Metrics</u> TBD		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>						R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>						PROJECT 3223: <i>Logistics R&D</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Navy Pal	TBD	TBD:TBD	0.000	0.000		0.000		1.950	Jun 2014	-		1.950	0.000	1.950	
Navy Log Productivity Projects TBD	TBD	TBD:TBD	0.000	0.895	Jun 2012	0.924	Jun 2013	0.948	Jun 2014	-		0.948	Continuing	Continuing	Continuing
Subtotal			0.000	0.895		0.924		2.898		0.000		2.898			
Remarks Development of "Navy Pal", a cashless payment system similar to the commercial Paypal system.															
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.895		0.924		2.898		0.000		2.898			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy																								DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY												R-1 ITEM NOMENCLATURE								PROJECT							
1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)												PE 0603739N: Navy Logistic Productivity								3223: Logistics R&D							

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 3223: <i>Logistics R&D</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Navy Pal cashless payment system</i>				
Navy Pal: Navy Pal development: Navy Pal development	3	2014	4	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603739N: Navy Logistic Productivity				PROJECT 3225: Ordnance PHST			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3225: Ordnance PHST	0.000	0.358	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.358
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The Ordnance Packaging Handling Storage and Transportation (PHST) RDT&E resources focus on developing new Ordnance Handling Equipment (OHE) to replace the 25+ year old equipment presently used by the Fleet for Underway Replenishment (UNREP) operations. This OHE is a high cost and maintenance item. Development of new OHE takes advantage of new technology such as the CH-60 helicopter, which has double the lift capacity of the CH-46. OHE is used daily by the war fighter to conduct Connected Replenishment (CONREP) and Vertical Replenishment (VERTREP). A sample of these efforts includes redesigning the MK 105 sling to increase efficiency during VERTREP, condensing entire families of slings down to fewer and more efficient pieces of gear, developing a stream strongback and the associated equipment necessary to complement, not compromise, the Heavy UNREP initiative of the future, etc. The new sling designs being developed take advantage of present and future manufacturing and operational capabilities. This initiative improves availability, reliability, and maintainability while reducing overall cost. The end result will be a Fleet that has been properly equipped to conduct UNREP with more efficiency.												
The PHST Center is developing a baseline of the current naval ordnance PHST logistics system. This baseline will identify inefficiencies and recommend hardware and operational enhancements in the area of modal change, thus providing an investment strategy for future Naval PHST operations by conducting an end-to-end study.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Ordnance PHST Development									0.358	0.000	0.000	
Articles:									0			
Description: Develop new OHE to replace the 25+ year old equipment presently in Fleet use to include: 1) Re-design Mk 105 Pendant Sling to optimize cost and throughput during Vertical Replenishment; 2) New concept development to replace 12x12 and 14x14 ft. Nylon Cargo Nets ; 3) Design a new Standard Tension Replacement Alongside Method (STREAM) Strongback to compliment the Fleet's Heavy UNREP initiative of the future; 4) Condense Mk 85, 86, 87, and 100 family of pallet slings into fewer pieces gear to optimize cost and efficiency during CONREP; and 5) Re-design the Mk 45 Handlift Truck. Ordnance PHST will additionally conduct a baseline study of the current Naval PHST logistics system to identify inefficiencies and recommend hardware and operational enhancements.												
FY 2012 Accomplishments:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>	PROJECT 3225: <i>Ordnance PHST</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Begin investigating the Mk 24/137 Light Airborne Multi-Purpose System Dolly. Field test a new Mk 105 replacement. Work on potential improvements cited in the PHST baseline study. Develop a Mk 85 series replacement. Evaluate a course of action for the heavy STREAM strongback. A heavy Standard Tension Replacement Alongside Method (STREAM) strongback is a metal rigid item with a 12,000 lb capacity that acts as an intermediate to a ship's STREAM and other handling equipment and provides a means for attaching handling equipment during loading/offloading or connected transfer-at-sea operations.			
Accomplishments/Planned Programs Subtotals		0.358	0.000
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Execution of in-house engineering, design, development and test efforts. Performance-based reviews conducted quarterly or as required by the Project Management Office.			
E. Performance Metrics 1. Conduct Operational Testing of a Mk 105 Sling Replacement 2. Improve 4 of the 8 areas of concern from the Packaging Handling Storage and Transportation Baseline Study 3. Identify 3 problem areas inherent in the Mk 24/137 Light Airborne Mult-Purpose System Dolly design 4. Conduct a successful Preliminary Design Review for a Mk 85 Series sling replacement			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>							R-1 ITEM NOMENCLATURE PE 0603739N: <i>Navy Logistic Productivity</i>					PROJECT 3225: <i>Ordnance PHST</i>			

Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NSWC Indian Head:Indian Head, MD	0.000	0.358	Nov 2011	0.000		0.000		-		0.000	0.000	0.358	
Subtotal			0.000	0.358		0.000		0.000		0.000		0.000	0.000	0.358	

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.358	0.000	0.000	0.000	0.000	0.000	0.358	

Remarks