

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
							May 2009	
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE			
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4					0603739N, NAVY LOGISTIC PRODUCTIVITY			
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Total PE Cost	18.910	17.798	4.301					
2920/Ordnance Management	0.920	0.000	0.000					
2955/JEDMICS	2.455	2.838	2.920					
3223/Logistics R&D	0.000	0.000	0.984					
3225/Ordnance PHST	0.000	0.000	0.397					
9999/Congressional Add	15.535	14.960	0.000					
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
Ordnance Management 2920: Covers the conversion of Naval Operational Logistics Support Center (NOLSC) systems to the Ordnance Information Systems (OIS).								
JEDMICS 2955: 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 16 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 its 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, ECP 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.								
Logistics R&D 3223: Logistics Reseach & Development (R&D) is a new start to establish necessary stable resources required to facilitate robust, flexible Logistics R&D planning that will provide the means for NAVSUP to effectively pursue solutions to mission-related technology/capability gaps.								
Ordnance PHST 3225: Ordnance Packaging Handling Storage and Transportation (PHST) is a new start. The RDT&E resources will 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 can take 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). Ordnance PHST will additionally conduct a baseline study of the current Naval PHST logistics system to identify inefficiencies and recommend hardware and operational enhancements.								
Congressional Adds 9999								

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EXHIBIT R-2, RDT&E Budget Item Justification		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4	R-1 ITEM NOMENCLATURE 0603739N, NAVY LOGISTIC PRODUCTIVITY	

B. PROGRAM CHANGE SUMMARY:

	FY08	FY09	FY10
Funding:			
President's Budget 2009	19.401	2.846	2.962
President's Budget 2010	18.910	17.798	4.301
Total Adjustments	-0.491	14.952	1.339
Summary of Adjustments			
Congressional Rescissions			
Congressional Adjustments		15.000	
SBIR/STTR/FTT Assessments	-0.491		
Program Adjustments			1.339
Rate/Misc Adjustments		-0.048	
Subtotal	-0.491	14.952	1.339

Schedule:

Not Applicable

Technical:

Not Applicable

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EXHIBIT R-2a, RDT&E Project Justification							DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY			PROJECT NUMBER AND NAME 2920, Ordnance Management			
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Project Cost	0.920							
RDT&E Articles Qty								
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>Naval Operational Logistics Support Center (NOLSC) systems conversion to the Ordnance Information Systems (OIS): The OIS is an umbrella concept that integrates approximately 12 different functions that are currently produced by "stove-pipe" systems. OIS is an integrated suite of tools that uses the latest available information technology and best commercial practices to provide timely, relevant and accurate ordnance information and global ordnance visibility. It integrates wholesale, retail, and unique ordnance decision support systems to facilitate global ordnance positioning and information sharing across the DoN ordnance community to maximize warfighter support. Without a robust ordnance information system, the Navy and Marine Corps Aviation's ability to prevail in combat is jeopardized. This degradation will increase exponentially in the joint environment and the RDT&E initiatives listed herein are designed to ensure maximum Information Technology (IT) capability.</p>								

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY	PROJECT NUMBER AND NAME 2920, Ordnance Management		
B. Accomplishments/Planned Program				
Software Development and Training	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	0.920			
RDT&E Articles Quantity				
<p>Naval Operational Logistics Support Center (NOLSC) software development, training development, and configuration management for the following systems: Packaging, Handling, Storage & Transportation (PHST), Production / Industrial Base Support and Weapons Allocation Capability.</p>				

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY		PROJECT NUMBER AND NAME 2920, Ordnance Management
C. OTHER PROGRAM FUNDING SUMMARY:				
<u>Line Item No. & Name</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	
Not Applicable				
D. ACQUISITION STRATEGY:				
The funding was placed on contract to six different vendors. The primary types of contracts utilized were the Cost plus Fixed Fee and Time & Material.				

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EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							May 2009	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME			
RDT&E, N / BA-4	0603739N, NAVY LOGISTIC PRODUCTIVITY				2955, JEDMICS			
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Project Cost	2.455	2.838	2.920					
RDT&E Articles Qty								

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 16 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, ECP 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.

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EXHIBIT R-2a, RDT&E Project Justification			DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY	PROJECT NUMBER AND NAME 2955, JEDMICS		
B. Accomplishments/Planned Program				
JEDMICS Development	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	2.349	2.763	2.843	
RDT&E Articles Quantity				
Conduct development efforts associated with COTS obsolescence of the fully deployed COTS intensive JEDMICS system. 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.				
JEDMICS Test	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	0.025	0.025	0.025	
RDT&E Articles Quantity				
Conduct test and readiness reviews and functional performance tests on JEDMICS system.				
JEDMICS Evaluation & Review	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	0.081	0.050	0.052	
RDT&E Articles Quantity				
Conduct technical evaluations and configuration control reviews of JEDMICS system.				

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C. OTHER PROGRAM FUNDING SUMMARY:				
<u>Line Item No. & Name</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	
Not Applicable				
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.				

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Exhibit R-3 Cost Analysis (page 1)								DATE: May 2009				
APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-4			PROGRAM ELEMENT 0603739N, NAVY LOGISTIC PRODUCTIVITY			PROJECT NUMBER AND NAME 2955, JEDMICS						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date					
Subtotal Product Development			0.000	0.000		0.000						
Remarks:												
Development Support	Various	Various	0.095	0.210	10/08	0.214	10/09					
Software Development	Various	Various	0.216									
Software Development	*SS-ID/RE	Northrop Grumman IT, VA	17.434	2.553	11/08	2.629	11/09					
Subtotal Support			17.745	2.763		2.843						
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 (JEDMICS). Funds are for COTS evaulation, integration, and test and evaluation. The common baseline will be regained 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. * Sole Source Indefinite Delivery/Requirements Contract												

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Exhibit R-3 Cost Analysis (page 2)								DATE: May 2009				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4			PROGRAM ELEMENT 0603739N, NAVY LOGISTIC PRODUCTIVITY			PROJECT NUMBER AND NAME 2955, JEDMICS						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date					
Developmental Test & Evaluation	Various	Various	2.345	0.025	10/08	0.025	10/09					
Subtotal T&E			2.345	0.025		0.025						
Remarks: Supports testing and evaluation of baseline releases in a user environment.												
Government Engineering Support	Various	Various	1.083									
Program Management Support	WX	Various	0.182	0.015	10/08	0.016	10/09					
Travel	Various	Various	0.179	0.035	Various	0.036	Various					
Subtotal Management			1.444	0.050		0.052						
Remarks: Supports requirements management at the Prime Contractor location and program related travel by government employees.												
Total Cost			21.534	2.838		2.920						
Remarks:												

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EXHIBIT R4, Schedule Profile												DATE:
												May 2009
APPROPRIATION/BUDGET ACTIVITY						PROGRAM ELEMENT NUMBER AND NAME						PROJECT NUMBER AND NAME
RDT&E, N / BA-4						0603739N, NAVY LOGISTIC PRODUCTIVITY						2955, JEDMICS
Fiscal Year	2008				2009				2010			
	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones	MS C8 ▲				MS C9 ▲				MS C10 △			
Requirements: Service IPT/ECPs				Release 3.10 ▲			Release 3.11 △				Release 3.12 △	
Contract Award	▲				▲		-		△			
Software and Hardware Evaluation / Integration	Release 3.9 ■				Release 3.10 ■				Release 3.11 □			
Test & Evaluation Milestones												
Risk Assessment			Release 3.9 ▲				Release 3.10 △				Release 3.11 △	
Developmental/Functional Testing			Release 3.9 ■				Release 3.10 □				Release 3.11 □	
Alpha/Beta Testing	Release 3.8 ■			Release 3.9 ■			Release 3.10 □				Release 3.11 □	
Deliveries: Engineering Change Package	Release 3.8 ▲				Release 3.9 ▲				Release 3.10 △			

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Exhibit R-4a, Schedule Detail						DATE: May 2009		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT 0603739N, NAVY LOGISTIC PRODUCTIVITY				PROJECT NUMBER AND NAME 2955, JEDMICS		
Schedule Profile	FY 2008	FY 2009	FY 2010					
Alpha/Beta Testing Release 3.8	1Q							
Contract Award	1Q							
Software Hardware Evaluation/Integration Release 3.9	1Q-3Q							
Engineering Change Package Release 3.8	2Q							
Milestone C8 (MS C8) Release 3.8	2Q							
Risk Assessment Release 3.9	3Q							
Developmental/Functional Testing Release 3.9	4Q							
Service IPT/ECPs Release 3.10	4Q							
Alpha/Beta Testing Release 3.9	4Q	1Q						
Contract Award		1Q						
Software Hardware Evaluation/Integration Release 3.10		1Q-3Q						
Engineering Change Package Release 3.9		2Q						
Milestone C9 (MS C9) Release 3.9		2Q						
Risk Assessment Release 3.10		3Q						
Developmental/Functional Testing Release 3.10		4Q						
Service IPT/ECPs Release 3.11		4Q						
Alpha/Beta Testing Release 3.10		4Q	1Q					
Contract Award			1Q					
Software Hardware Evaluation/Integration Release 3.11			1Q-3Q					
Engineering Change Package Release 3.10			2Q					
Milestone C10 (MS C10) Release 3.10			2Q					
Risk Assessment Release 3.11			3Q					
Developmental/Functional Testing Release 3.11			4Q					
Service IPT/ECPs Release 3.12			4Q					
Alpha/Beta Testing Release 3.11			4Q					
Contract Award								
Software Hardware Evaluation/Integration Release 3.12								
Engineering Change Package Release 3.11								
Milestone C11 (MS C11) Release 3.11								
Risk Assessment Release 3.12								
Developmental/Functional Testing Release 3.12								
Service IPT/ECPs Release 3.13								
Alpha/Beta Testing Release 3.12								
Contract Award								
Software Hardware Evaluation/Integration Release 3.13								

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Exhibit R-4a, Schedule Detail

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EXHIBIT R-2a, RDT&E Project Justification							DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY			PROJECT NUMBER AND NAME 3223, Logistics R&D			
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Project Cost			0.984					
RDT&E Articles Qty								

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 an infrastructure 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, and 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. 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 FY09 NAVSUP capability/technology gap review include: use of commercially available software to move shipboard retail inventory management operations ashore and reduce shipboard manning (Retail Operations Management - Enterprise Support); development of Electro-Magnetic Radiation (EMR)-free AIT tools to manage shipboard Ordnance inventories (EMR-free Ordnance Inventory Tools); use of alternatives in lieu of identification cards for facilitating military cash transactions (Next Generation Navy Cash); development of a low cost, fire retardant Navy uniform fabric to improve personnel safety and affordability (Low-Cost, Durable Fire-Retardant Navy Uniform Fabric); and establishment of remote, real time condition monitoring for critical assets (such as rocket motors) to preclude unnecessary, phased replacement of high cost components (Remote, Real-time Condition Monitoring). This list of potential projects for addressing capability/technology 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 RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY	PROJECT NUMBER AND NAME 3223, Logistics R&D																	
B. Accomplishments/Planned Program																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 30%;">Rocket/Missile Motor Remote Monitoring</td><td style="width: 15%;">FY 08</td><td style="width: 15%;">FY 09</td><td style="width: 15%;">FY 10</td><td style="width: 25%;"></td></tr><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td>0.684</td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></table>					Rocket/Missile Motor Remote Monitoring	FY 08	FY 09	FY 10		Accomplishments/Effort/Subtotal Cost			0.684		RDT&E Articles Quantity				
Rocket/Missile Motor Remote Monitoring	FY 08	FY 09	FY 10																
Accomplishments/Effort/Subtotal Cost			0.684																
RDT&E Articles Quantity																			
<div style="border: 1px solid black; padding: 10px; min-height: 60px;">Rocket/Missile Motor Remote Condition Monitoring. Cost avoidance due to the elimination of unnecessary rework/retirement of suitable motors based on statistically insignificant assessments. Up to 98% "service life threshold" replacement assessments are incorrect (~ 245 motors for just the Navy Standard Missile). Funds to provide initial year of multi-year Integrated Product & Process Development (IPPD) effort.</div>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 30%;">Retail Operations Management - ES</td><td style="width: 15%;">FY 08</td><td style="width: 15%;">FY 09</td><td style="width: 15%;">FY 10</td><td style="width: 25%;"></td></tr><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td>0.300</td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></table>					Retail Operations Management - ES	FY 08	FY 09	FY 10		Accomplishments/Effort/Subtotal Cost			0.300		RDT&E Articles Quantity				
Retail Operations Management - ES	FY 08	FY 09	FY 10																
Accomplishments/Effort/Subtotal Cost			0.300																
RDT&E Articles Quantity																			
<div style="border: 1px solid black; padding: 10px; min-height: 60px;">Retail Operations Management - Enterprise Support. Replace existing stand-alone retail systems on 155 ships with commercial-off-the-shelf (COTS) retail point of sale (POS) applications connected to a back office accounting and inventory control system located ashore. Effort will allow commensurate reduction in military personnel afloat. Funds to provide for first of two-year IPPD.</div>																			

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RDT&E, N / BA-4	0603739N, NAVY LOGISTIC PRODUCTIVITY	3223, Logistics R&D		
C. OTHER PROGRAM FUNDING SUMMARY:				
<u>Line Item No. & Name</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	
Not Applicable				
D. ACQUISITION STRATEGY:				
The acquisition strategy for each individual sub-project will be determined during FY09.				

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COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Project Cost			0.397					
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The RDT&E resources will 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 can take 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 will include 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 will take advantage of present and future manufacturing and operational capabilities. This initiative will improve 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 will develop 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.

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B. Accomplishments/Planned Program				
Ordnance PHST Development	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost			0.397	
RDT&E Articles Quantity				
<div style="border: 1px solid black; padding: 10px; min-height: 150px;"><p>Develop new Ordnance Handling Equipment (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 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 Packaging Handling Storage and Transportation (PHST) will additionally conduct a baseline study of the current Naval PHST logistics system to identify inefficiencies and recommend hardware and operational enhancements.</p></div>				

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RDT&E, N / BA-4	0603739N, NAVY LOGISTIC PRODUCTIVITY	3225, Ordnance PHST		
C. OTHER PROGRAM FUNDING SUMMARY:				
<u>Line Item No. & Name</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	
Not Applicable				
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.				

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603739N, NAVY LOGISTIC PRODUCTIVITY			PROJECT NUMBER AND NAME 9999, Congressional Add			
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010					
Project Cost	15.535	14.960						
RDT&E Articles Qty								
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Congressional Add:								

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B. Accomplishments/Planned Program				
9541A Infrared Sensors	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	3.091			
RDT&E Articles Quantity				
<p>Multi-color infrared sensors - A continuation of the FY06 Service Life Extension of Avionics Legacy Equipment with Guaranteed System (SEALEGS) program.</p>				
9A13A Defense Integrated Technical Data Center	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	1.157			
RDT&E Articles Quantity				
<p>Defense Integrated Technical Data Center - This program will create an infrastructure with a set of applications to facilitate the sharing of weapons system product information between the members of the engineering and logistics communities to improve shipboard maintenance processes and sustain shipboard readiness. This will be accomplished by creating access within a single tool to critical technical (manuals, data packages, drawings, equipment configuration data, etc.) and supply (asset availability) information required to support the afloat maintenance process.</p>				
9A20A Unique Identification of Tangible Items	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	8.194	2.991		
RDT&E Articles Quantity				
<p>Unique Identification of Tangible Items - The UID Policy is an OSD mandate that will, once implemented, provide a means to track items from cradle to grave and provide the means to track the requirement footprint, streamline vendor payment via the Supply Chain, and provide procurement accountability.</p>				

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B. Accomplishments/Planned Program				
9B17A Thin Materials for Advanced Applications	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		2.992		
RDT&E Articles Quantity				
Thin Materials for Advanced Applications - The purpose of these funds is for the development of X-ray Lithography (XRL) / Collimated Plasma Lithography (CPL) mask materials/technology.				
9B94A Highly Integrated Optical Interconnects	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	1.550	1.596		
RDT&E Articles Quantity				
Highly Integrated Optical Interconnects - Funds are provided to develop optical interconnects integrated into printed circuit boards typically used by the electronics industry.				

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RDT&E, N / BA-4	0603739N, NAVY LOGISTIC PRODUCTIVITY	9999, Congressional Add	

B. Accomplishments/Planned Program

9B95A National Item Identification Number	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	1.543			
RDT&E Articles Quantity				

National Item Identification Number -Funds are to assist in improving the maintenance process for aircraft and aviation components which are re-worked/repared at organic Fleet Readiness Centers (FRCs - formerly Naval Aviation Depots). That maintenance process is supported by a tool called the Automated Data Capture System (ADCS) which the FRCs use during aircraft examination and evaluation inspections to collect repair requirements and Reliability Centered Maintenance (RCM) data against identified discrepancies, with specific material requirements tied to individual discrepancies. The material requirement information is provided by ADCS to the FRCs' material sourcing system, which allows the FRCs to source the material without manual intervention. However, the current accuracy of the FRC material databases is degraded to the point where manual intervention is required to correctly identify and source more than 40% of the material requirements. As a result, this add was provided to explore technological solutions for automatically detecting and correcting errors in the data required by ADCS to support automated material requirement identification. The result will be a more streamlined and cost effective process for repair/re-work of major aviation support components.

9D53A Advanced Naval Logistics	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		1.596		
RDT&E Articles Quantity				

Advanced Naval Logistics - This program will develop and implement advanced forecasting and spare parts requirements determination tools whose end purpose is to reduce investment in spare parts without sacrificing readiness. It will also investigate ways to collaboratively determine spares requirements between the Navy and DLA and to lease commercial software and investigate the applicability of this tool as a standard requirements determination approach for all DOD Services.

9D54A RFID Tech Program	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		0.798		
RDT&E Articles Quantity				

FY09 Congressional add funds provided for RFID Tech Program.

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B. Accomplishments/Planned Program				
9D56A Zero-Standoff Hero-Compliant RFID	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		1.596		
RDT&E Articles Quantity				
<div style="border: 1px solid black; padding: 5px;">Zero-Standoff HERO-Compliant RFID - This program will develop a safe passive RFID system which is needed to actually be able to implement passive RFID throughout the Navy and safely operate in near proximity to ordnance at afloat and ashore Navy ships and facilities. Provides a mechanism to readily receipt, inventory, store and issue material using passive RFID tags into the Navy Systems of Record for immediate acknowledgements of material location, such as receipt of material without physical intervention of scanning bar codes or manual keyboard input. Will provide greater asset visibility, reduced manpower burden and better asset accountability in the supply pipeline.</div>				
9D57A Field Support for Fiber Optic Cable	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		1.596		
RDT&E Articles Quantity				
<div style="border: 1px solid black; padding: 5px;">Field Support for Fiber Optic Cable - Funds provided to develop a high quality, low cost field repair technology for fiber optic cables being installed in a number of the Navy's aerospace platforms. Fusion splicing technology is currently used by the commercial telecom industry to repair optical fiber quickly and permanently. This congressional add will take existing technology and modify it to work in the military aerospace environment to improve fiber optic logistics footprint.</div>				
9D58A Integrated Product Support Data Mgmt System	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost		0.997		
RDT&E Articles Quantity				
<div style="border: 1px solid black; padding: 5px;">Integrated Product Support Data Management System (IPSDMS) - Funded to build and prototype a single, integrated configuration managed supply chain material management system that can be used across the Navy Enterprise (Acquisition, Fleet, Maintenance, Supply, Training, etc.) to improve the quality and timeliness of readiness-oriented assessments, readiness-based spare parts analyses, spare/repair parts procurements, and improvements in materiel and maintenance response times. The goal is to implement material management functions with commercial off-the-shelf systems or DOD standard data systems for supply chain management information systems to provide timely access to accurate, actionable information across logistics processes which will enable real-time logistics situational awareness and execution. Tasked to develop supply chain data management strategies that promote the use of shared data by implementing an information exchange that supports coordination and collaboration between the DOD supply chain functions and activities, including commercial partners.</div>				

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B. Accomplishments/Planned Program																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 30%; padding: 5px;">9D59A NAVAIR Distance Support Environment</td><td style="width: 15%; padding: 5px;">FY 08</td><td style="width: 15%; padding: 5px;">FY 09</td><td style="width: 15%; padding: 5px;">FY 10</td><td style="width: 25%; padding: 5px;"></td></tr><tr><td style="padding: 5px;">Accomplishments/Effort/Subtotal Cost</td><td style="padding: 5px;"></td><td style="padding: 5px;">0.798</td><td style="padding: 5px;"></td><td style="padding: 5px;"></td></tr><tr><td style="padding: 5px;">RDT&E Articles Quantity</td><td style="padding: 5px;"></td><td style="padding: 5px;"></td><td style="padding: 5px;"></td><td style="padding: 5px;"></td></tr></table>					9D59A NAVAIR Distance Support Environment	FY 08	FY 09	FY 10		Accomplishments/Effort/Subtotal Cost		0.798			RDT&E Articles Quantity				
9D59A NAVAIR Distance Support Environment	FY 08	FY 09	FY 10																
Accomplishments/Effort/Subtotal Cost		0.798																	
RDT&E Articles Quantity																			
<div style="border: 1px solid black; padding: 10px; min-height: 150px;"><p>NAVAIR Distance Support Environment - This program will be identifying the requirements for a single, integrated configuration managed Product Data Management (PDM) system that can easily interoperate with existing systems and be used across the Navy Enterprise (Acquisition, Fleet, Maintenance, Supply, Training) that provides an effective fleet interaction mechanism while simultaneously providing a way to establish, maintain and communicate weapon system product information to the Fleet, the contractor community and NAVAIR.</p></div>																			

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