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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				PE 0208058A: <i>Joint High Speed Vessel (JHSV)</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	2.961	3.153	3.044	-	3.044	3.229	3.307	3.365	3.418	Continuing	Continuing
JH1: <i>JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY</i>	2.961	3.153	3.044	-	3.044	3.229	3.307	3.365	3.418	Continuing	Continuing

Note

Funding in FY12 realigned to support Army higher priority requirements.

A. Mission Description and Budget Item Justification

The Joint High Speed Vessel (JHSV) program is a merger of the Army's Theater Support Vessel (TSV) program and the Marine Corps/Navy High Speed intra-theater surface Connector (HSC) program into a joint (multi-service) High Speed Vessel program.

The JHSV program takes advantage of inherent commonality hull forms to create a more flexible asset for the Department of Defense and leverage the Navy's core competency in ship acquisition. The JHSV program will provide high speed intra-theater surface connector capability to rapidly deploy troops and equipment together and then immediately transition to execute, even in the absence of developed infrastructure, and conduct deployment and sustainment activities in support of multiple simultaneous, distributed, decentralized battles and campaigns. The primary missions include: support to Theater Security Cooperation Program (TSCP) and Global War on Terrorism (GWOT), littoral maneuver, and seabasing support. Department of Army (DA) and Department of Navy (DoN) will maintain separate and distinct funding streams to support this joint program. DA will resource to the critical Army requirement set validated for the joint Initial Capabilities Document (ICD) for High Speed Intra-theater Surface Connector (HSC) and the Capability Development Document (CDD) for JHSV. DA and DoN will focus on the development of common capabilities, each Department will source their unique developmental costs for unique service capabilities that cannot be incorporated into a combined solution set. FY10/11 funding will procure for the Army Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals.(IETMs).

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	3.066	3.153	3.135	-	3.135
Current President's Budget	2.961	3.153	3.044	-	3.044
Total Adjustments	-0.105	-	-0.091	-	-0.091
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-0.105	-	-0.091	-	-0.091

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0208058A: Joint High Speed Vessel (JHSV)				PROJECT JH1: JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
JH1: JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY	2.961	3.153	3.044	-	3.044	3.229	3.307	3.365	3.418	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Joint High Speed Vessel (JHSV) program is a merger of the Army's Theater Support Vessel (TSV) program and the Marine Corps/Navy High Speed intra-theater surface Connector (HSC) program into a joint (multi-service) High Speed Vessel program. The JHSV program takes advantage of inherent commonality hull forms to create a more flexible asset for the Department of Defense and leverage the Navy's core competency in ship acquisition. The JHSV program will provide high speed intra-theater surface connector capability to rapidly deploy troops and equipment together and then immediately transition to execute, even in the absence of developed infrastructure, and conduct deployment and sustainment activities in support of multiple simultaneous, distributed, decentralized battles and campaigns. The primary missions include: support to Theater Security Cooperation Program (TSCP) and Overseas Contingency Operations (OCO), littoral maneuver, and seabasing support. Department of Army (DA) and Department of Navy (DoN) will maintain separate and distinct funding streams to support this joint program. DA will resource to the critical Army requirement set validated for the joint Initial Capabilities Document (ICD) for High Speed Intra-theater Surface Connector (HSC)and the Capability Development Document (CDD) for JHSV . DA and DoN will focus on the development of common capabilities, each Department will source their unique developmental costs for unique service capabilities that cannot be incorporated into a combined solution set. FY12 funding will allow the Army to develop and design Army-unique Command, Control, Communications, Computers and Intelligence (C4I) and Anti-Terrorist/ Force Protection Capabilities in support of the Army JHSV concept of operations.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: JHSV ACQUISITION /DOCUMENTATION DEVELOPMENT								1.800	0.170	1.900	
Articles:								0	0		
Description: FY10: Provide Program Management Support											
FY 2010 Accomplishments: PROVIDES ACQUISITION /DOCUMENTATION DEVELOPMENT											
FY 2011 Plans: PROVIDES ACQUISITION /DOCUMENTATION DEVELOPMENT											
FY 2012 Plans: PROVIDES ACQUISITION /DOCUMENTATION DEVELOPMENT											
Title: JHSV ILS								0.250	2.000	-	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
<div style="text-align: right; padding-right: 10px;">Articles:</div> <div style="text-align: right; padding-right: 10px;">0</div> <p>Description: FY10: Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)</p> <p>FY 2010 Accomplishments: Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)</p> <p>FY 2011 Plans: Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)</p>	0	0	
<p>Title: JHSV PROGRAM SUPPORT</p> <div style="text-align: right; padding-right: 10px;">Articles:</div> <div style="text-align: right; padding-right: 10px;">0.911 0</div> <p>Description: Funding is provided for the following effort</p> <p>FY 2010 Accomplishments: PROGRAM SUPPORT</p> <p>FY 2011 Plans: PROGRAM SUPPORT</p> <p>FY 2012 Plans: PROGRAM SUPPORT</p>	0.911 0	0.983 0	1.144
Accomplishments/Planned Programs Subtotals	2.961	3.153	3.044

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• JHSV: OPA 3, M11203, Joint High Speed Vessel (JHSV),	202.475	202.764	223.845		223.845		25.604	24.773	22.409	Continuing	Continuing

D. Acquisition Strategy The JHSV program will combine the two separate programs (Theater Support Vessel (TSV) - Army and High Speed Connector (HSC) - Navy) and take advantage of inherent commonality of hull forms to create a more flexible asset for the Department of Defense. Based on the efforts accomplished and data collected to date by the two services, it appears that a hardware solution will incorporate the evolutionary development of commercial based high speed vessel technology employing integrated military unique capabilities/adaptations. The JHSV would be acquired competitively and production would be based in the United States. The Joint High

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Speed Vessel (JHSV) program's updated Acquisition Strategy is currently under development. The JHSV program Milestone A Defense Acquisition Board (DAB) was in April 2006. Milestone B occurred November 2008.		

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011				
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Management Services (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management Support	Various	PM Force Projection,TACOM,:Warren, MI	5.200	0.983		1.144		-		1.144	Continuing	Continuing	Continuing	
SBIR/STTR	Various	PM Force Projection, TACOM,:Warren, MI	0.086	-		-		-		-	Continuing	Continuing	Continuing	
Subtotal			5.286	0.983		1.144		-		1.144				
Product Development (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Technical/Design Development	Various	PEO Ships:Washington DC	17.693	-		-		-		-	Continuing	Continuing	Continuing	
Acquisition/Documentation Development	Various	PEO Ships:Washington DC	7.077	0.170		1.900		-		1.900	Continuing	Continuing	Continuing	
Subtotal			24.770	0.170		1.900		-		1.900				
Support (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)	Various	NSWCCD:Norfolk, VA	2.000	2.000		-		-		-	Continuing	Continuing	Continuing	
Subtotal			2.000	2.000		-		-		-				
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			32.056	3.153		3.044		-		3.044				
Remarks														

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