

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0208058A: <i>Joint High Speed Vessel (JHSV)</i>
---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	3.041	-	0.035	-	0.035	0.038	0.040	0.041	-	Continuing	Continuing
JH1: <i>JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY</i>	3.041	-	0.035	-	0.035	0.038	0.040	0.041	-	Continuing	Continuing

Note

Funding in FY13 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)

	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	3.153	3.044	3.229	-	3.229
Current President's Budget	3.041	-	0.035	-	0.035
Total Adjustments	-0.112	-3.044	-3.194	-	-3.194
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-0.112	-3.044	-3.194	-	-3.194

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0208058A: <i>Joint High Speed Vessel (JHSV)</i>				PROJECT JH1: <i>JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY</i>			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
JH1: <i>JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY</i>	3.041	-	0.035	-	0.035	0.038	0.040	0.041	-	Continuing	Continuing
Quantity of RDT&E Articles											

Note

Per the Memorandum of Agreement signed 2 May 2011, "The Army funding contained in the Program Objective Memorandum FY13-17 will be transferred to the Navy via a budget based transfer from the Army to the Navy."

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 2011	FY 2012	FY 2013
Title: JHSV ACQUISITION /DOCUMENTATION DEVELOPMENT	0.170	-	-
Articles:	0		
Description: FY10: Provide Program Management Support			
FY 2011 Accomplishments: PROVIDES ACQUISITION /DOCUMENTATION DEVELOPMENT			
Title: JHSV ILS	1.888	-	-
Articles:	0		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army	DATE: February 2012
--------------------------------------------------------------------	----------------------------

APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0208058A: <i>Joint High Speed Vessel (JHSV)</i>	PROJECT JH1: <i>JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY</i>
---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Description: FY10: Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)			
FY 2011 Accomplishments: Integrated Logistics Support (ILS)/Integrated Electronic Technical Manuals (IETMs)			
Title: JHSV PROGRAM SUPPORT	0.983	-	0.035
Description: Funding is provided for the following effort			
FY 2011 Accomplishments: PROGRAM SUPPORT			
FY 2013 Plans: PROGRAM SUPPORT			
Articles:	0		
Accomplishments/Planned Programs Subtotals	3.041	-	0.035

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u> <u>Continuing</u>
• JH1: <i>OPA 3, M11203, Joint High Speed Vessel (JHSV),</i>	203.964										

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 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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				PE 0208058A: Joint High Speed Vessel (JHSV)				JH1: JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY					
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	7.094	-		0.035		-		0.035	Continuing	Continuing	Continuing
SBIR/STTR	Various	PM Force Projection, TACOM, Warren, MI	0.086	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			7.180	-		0.035		-		0.035			
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Acquisition/Documentation Development	Various	PEO Ships: Washington DC	9.047	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			9.047	-		-		-		-			
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	4.138	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			4.138	-		-		-		-			
Project Cost Totals			20.365	-		0.035		-		0.035			
Remarks													