

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2005

BUDGET ACTIVITY 7 - Operational system development				PE NUMBER AND TITLE 0208058A - Joint High Speed Vessel (JHSV)					PROJECT JH1		
COST (In Thousands)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost	
JH1 JOINT HIGH SPEED VESSEL MANUFACTURING TECHNOLOGY	0	0	3261	5090	5081	2915	3113	3230	0	22690	

A. Mission Description and Budget Item Justification: The Joint High Speed Vessel (JHSV) program is a result of a signed Department of Army (DA) and Department of Navy (DoN) Memorandum of Intent (MOI) which resulted in the proposed merging 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 will combine the two separate programs (TSV and HSC) and take advantage of inherent commonality of 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 selected portions of the Joint Force that can immediately transition to execution, 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. The acquisition program will be structured for a FY08 lead ship award and FY11 launch. DA and DoN will maintain separate and distinct funding streams to support the joint program. DA will resource to the critical Army requirement set validated for the joint Initial Capabilities Document (ICD) for HSC. While 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. A Memorandum of Agreement (MOA) between the Army and Navy Service Acquisition Executives (SAEs) is in final staffing and is expected to establish, in January 2005, a balanced approach to development of a combined program under the acquisition lead of a Navy program office (PMS-325) in PEO Ships.

<u>Accomplishments/Planned Program</u>	FY 2004	FY 2005	FY 2006	FY 2007
Joint High Speed Vessel Program	0	0	3261	5090
Totals	0	0	3261	5090

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<u>B. Program Change Summary</u>	FY 2005	FY 2006	FY 2007
Previous President's Budget	0	0	0
Current Budget (FY 2006/2007 PB)	0	3261	5090
Total Adjustments	0	3261	5090
Net of Program/Database Changes			
Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
Adjustments to Budget Years		3261	5090

<u>C. Other Program Funding Summary</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
RDT&E, 0604804A, 461, Marine Oriented Logistics, Engineering	59127	62641	0	0	0	0	0	0	0	121768
OPA 3, M11203, Joint High Speed Vessel (JHSV),	0	996	15000	15361	299351	301615	154195	154356	0	940874

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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 Acquisition Strategy will be formally established once the Joint Initial Capabilities Document (JICD) and Analysis of Alternatives (AoA) efforts are finalized.

The JHSV program will provide high speed intra-theater surface connector capability to rapidly deploy selected portions of the Joint Force that can immediately transition to execution, even in the absence of developed infrastructure, and conduct deployment and sustainment activities in support of multiple simultaneous, distributed, decentralized battles and campaigns.

ARMY RDT&E COST ANALYSIS(R3)

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

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IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Joint High Speed Vessel	MIPR	PEO Ships Washington Navy Yard, DC	0	0		3261	1-2Q	5090	1-2Q	0	8351	0
Subtotal:			0	0		3261		5090		0	8351	0
Project Total Cost:			0	0		3261		5090		0	8351	0

Schedule Detail (R4a Exhibit)

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<u>Schedule Detail</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
High Speed Vessel Lease (HSV-X1, Joint Venture)	1-4Q	1-4Q	1-4Q					
Theater Support Vessel Lease (TSV 1X, Spearhead)	1-4Q	1-4Q	1Q					

HSV X1: FY06 an option is available, however, this not funded in the current budget.

TSV 1X: FY06-08 options are available with Justification and Approval, however, this is not funded in the current budget.