

<b>CLASSIFICATION:</b>	<b>UNCLASSIFIED</b>
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<b>EXHIBIT R-2, RDT&amp;E BUDGET ITEM JUSTIFICATION</b>	<b>DATE</b> February 2008
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APPROPRIATION/BUDGET ACTIVITY <b>RD TEN/BA 7</b>	R-1 ITEM NOMENCLATURE <b>0208058N/JOINT HIGH SPEED VESSEL (JHSV)</b>						
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	13.727	18.530	11.960	8.648	3.807	0.000	0.000
3131 / Intratheater Connectors (Concept Studies)	11.538	4.933	3.948	1.767	2.467	0.000	0.000
3134 / Intratheater Connectors (Contract Design)	2.189	13.597	8.012	6.881	1.340	0.000	0.000

**A. MISSION DESCRIPTION:**

Future joint forces will be responsive, deployable, agile, versatile, lethal, survivable and sustainable. The nation will need lift assets that can provide for assured access, decrease predictability and dwell time, and have the capacity to quickly deliver troops and equipment together in a manner that provides for unit integrity. Joint High Speed Vessel (JHSV) will provide Combatant Commanders high-speed, intra-theater sealift mobility with inherent cargo handling capability and the agility to achieve positional advantage over operational distances. Not limited to major ports, the JHSV will be able to operate in austere port environments.

**B. PROGRAM CHANGE SUMMARY:**

Funding:	FY 2007	FY 2008	FY 2009
President's Budget 2008	14.109	18.934	11.960
President's Budget 2009	13.727	18.530	11.960
Total Adjustments	-0.382	-0.404	0.000
Undistributed/General Reductions	-0.382	-0.404	0.000

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<b>EXHIBIT R-2a, RDT&amp;E PROJECT JUSTIFICATION</b>					DATE February 2008		
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN/BA 7</b>		PROGRAM ELEMENT NUMBER AND NAME <b>0208058N/JOINT HIGH SPEED VESSEL (JHSV)</b>			PROJECT NUMBER AND NAME <b>3131/Intratheater Connectors (Concept Studies)</b>		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	11.538	4.933	3.948	1.767	2.467	0.000	0.000
RDT&E Articles Qty	0	0	0	0	0	0	0
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>							
<p>The Joint High Speed Vessel Program is a Navy led acquisition for a high-speed, shallow draft, commercial-based ship capable of intra-theater personnel and cargo lift for the Armed Services. The ship is not intended to be a combatant and must operate in benign or secured environments. The technologies supporting this capability were evaluated during the completed Analysis of Alternatives.</p>							

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<b>B. ACCOMPLISHMENTS/PLANNED PROGRAM:</b>										
					FY 2007		FY 2008		FY 2009	
<b>Accomplishments/Effort/Subtotal Cost</b>					11.538		4.933		3.948	
RDT&E Articles Quantity					0		0		0	
<p>R&amp;D efforts for Intratheater Connector - addressing spiral technology development and risk mitigation efforts through demonstration of tools and monitoring systems for hull fatigue unique to lightweight hull forms. Continuing to conduct R&amp;D in areas involving lightweight aluminum flight decks, advanced gendering systems, and safe transport of ammunition and dangerous goods aboard lightweight vessels.</p> <p>FY 07 - Demonstrated a Hull Monitoring system that provides real time hull stress information to the operator. Developed procedures for transportation of dangerous goods specific to intended JHSV operations. Developed Lightweight Modular Causeway System by supporting ACTD to deliver a JHSV capable causeway that will facilitate access and throughput in austere ports. Commenced Deployable Airbeam Fendering System (DAFS) Integration Study required to integrate and refine such a system for future JHSVs. Commenced alternative non-skid Phase I testing to address the feasibility of mechanical deck treatment as alternative to non-skid coating.</p> <p>FY 08 - Continue DAFS Integration Study and alternative non-skid testing. Assess commercial High Expansion (HIEX) Foam for ordnance carried in vehicles in the mission bay.</p> <p>FY 09 - Continue feasibility studies of HIEX Foam for safe transport of ammunition and dangerous goods aboard JHSVs.</p>										
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
Line Item No. and Name		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
PE 0208058N SCN/BLI 3043 Intratheater Connector				174.782					CONT	CONT
<b>D. ACQUISITION STRATEGY:</b>										
Two-phased strategy with competitive preliminary design effort leading to downselect to a single contractor. FPI contract type will be used for construction.										

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EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE		
										February 2008		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 7		0208058N/JOINT HIGH SPEED VESSEL (JHSV)					3131/Intratheater Connectors (Concept Studies)					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2007 Cost (\$000)	FY 2007 Award Date	FY 2008 Cost (\$000)	FY 2008 Award Date	FY 2009 Cost (\$000)	FY 2009 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Modeling & Simulation	C-CPIF	Alion/CSC	0.000	1.353	APR-07	0.700	JAN-08	0.250	JAN-09	0.250	2.553	0.000
Risk Mitigation Efforts	C-CPIF	Alion	0.000	0.350	MAY-07	0.175	JAN-08	0.175	JAN-09	0.050	0.750	0.000
<b>Subtotal Product Development</b>			<b>0.000</b>	<b>1.703</b>		<b>0.875</b>		<b>0.425</b>		<b>0.300</b>	<b>3.303</b>	<b>0.000</b>
Remarks:												
Integrated Logistics Support	C-CPIF	Alion	0.000	0.877	APR-07	0.500	JAN-08	0.750	JAN-09	1.059	3.186	0.000
Technical Data	WR	NSWC-CD	0.000	0.675	NOV-06	0.500	JAN-08	0.000		0.000	1.175	0.000
Studies & Analyses	WR	NSWC-CD	0.000	0.759	NOV-06	0.300	JAN-08	0.000		0.000	1.059	0.000
<b>Subtotal Support Costs</b>			<b>0.000</b>	<b>2.311</b>		<b>1.300</b>		<b>0.750</b>		<b>1.059</b>	<b>5.420</b>	<b>0.000</b>
Remarks:												
Developmental Test & Evaluation	WR	COTF/JITC	0.000	0.219	NOV-06	0.219	JAN-08	0.219	JAN-09	0.250	0.907	0.000
<b>Subtotal Test and Evaluation</b>			<b>0.000</b>	<b>0.219</b>		<b>0.219</b>		<b>0.219</b>		<b>0.250</b>	<b>0.907</b>	<b>0.000</b>
Remarks:												
Contractor Engineering Support	C-CPIF	CSC	0.000	1.600	NOV-06	0.500	JAN-08	0.500	JAN-09	0.600	3.200	0.000
Government Engineering Support	WR	NSWC-CD/NSWC-DD	0.000	2.900	NOV-06	0.867	JAN-08	0.867	JAN-09	0.867	5.501	0.000
Program Management Support	C-CPIF	Alion	0.000	2.655	FEB-07	0.972	JAN-08	0.987	JAN-09	0.960	5.574	0.000
Travel	WR	NAVSEA	0.000	0.150	NOV-06	0.200	JAN-08	0.200	JAN-09	0.200	0.750	0.000
<b>Subtotal Management Services</b>			<b>0.000</b>	<b>7.305</b>		<b>2.539</b>		<b>2.554</b>		<b>2.627</b>	<b>15.025</b>	<b>0.000</b>
Remarks:												
<b>Total Cost</b>			<b>0.000</b>	<b>11.538</b>		<b>4.933</b>		<b>3.948</b>		<b>4.236</b>	<b>24.655</b>	<b>0.000</b>

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EXHIBIT R-4, SCHEDULE PROFILE

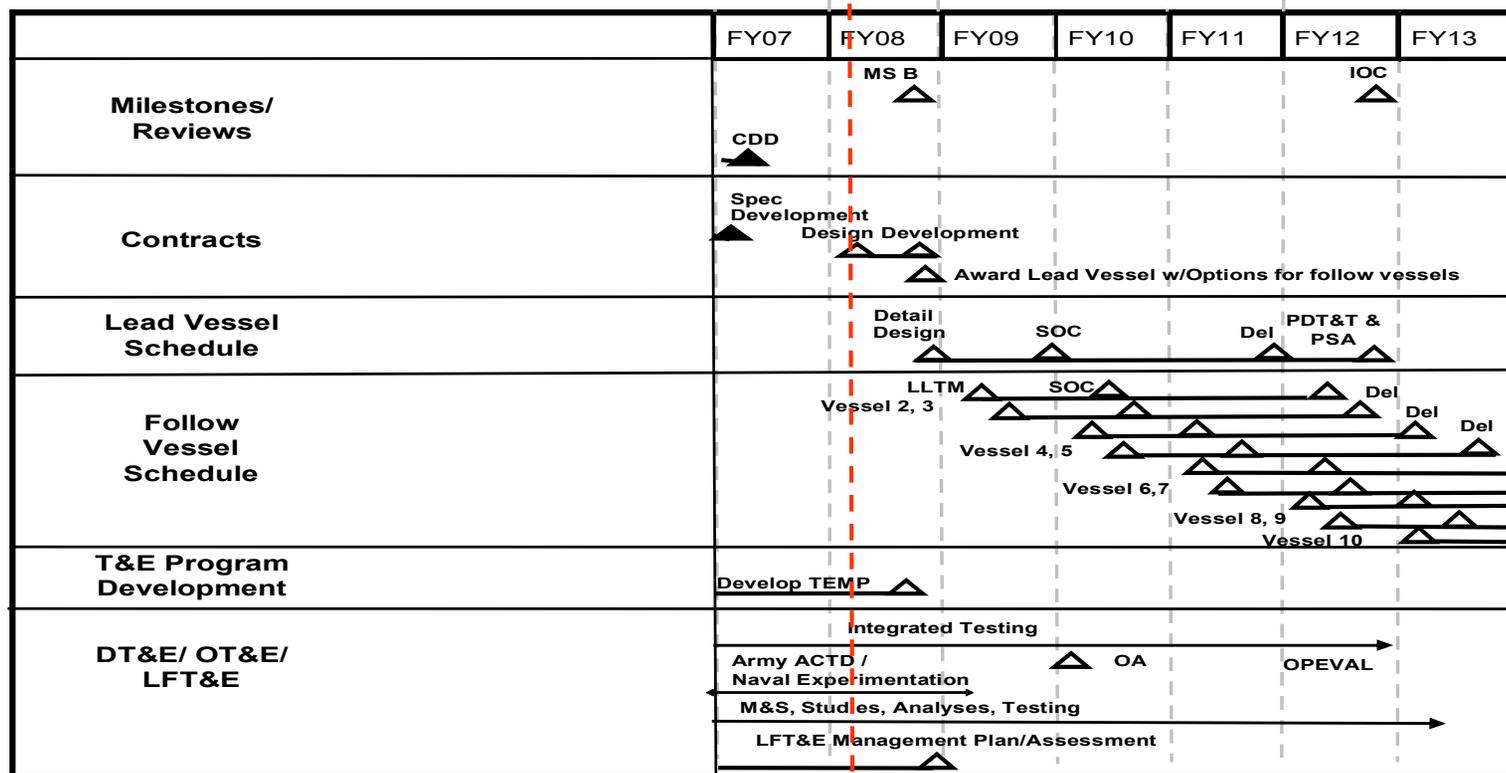
DATE  
February 2008

APPROPRIATION/BUDGET ACTIVITY  
RDTEN/BA 7

PROGRAM ELEMENT NUMBER AND NAME  
0208058N/JOINT HIGH SPEED VESSEL (JHSV)

PROJECT NUMBER AND NAME  
3131/Intratheater Connectors (Concept Studies)

# JHSV Schedule



SOC – Start of Construction    PDT&T – Post Delivery Test & Trials    TES – Test & Evaluation Strategy    TEMP – Test and Evaluation Master Plan  
EOA – Early Operational Assessment    OA – Operational Assessment    M&S – Modeling and Simulation    LFT&E – Live Fire Test and Evaluation  
LLTM – Long Lead Time Material

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<b>EXHIBIT R-4a, SCHEDULE DETAIL</b>						<b>DATE</b> February 2008		
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Schedule Profile		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Milestone B			4Q					
Award Lead Vessel			4Q					
Award Second Vessel				2Q				

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<b>COST (In Millions)</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
Project Cost	2.189	13.597	8.012	6.881	1.340	0.000	0.000
RDT&E Articles Qty	0	0	0	0	0	0	0
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>							
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<b>B. ACCOMPLISHMENTS/PLANNED PROGRAM:</b>										
					FY 2007		FY 2008		FY 2009	
<b>Accomplishments/Effort/Subtotal Cost</b>					2.189		13.597		8.012	
RDT&E Articles Quantity					0		0		0	
<p>Program Acquisition Efforts for Intratheater Connector - conducting Industry Day to engage potential shipbuilders to comment on the JHSV Performance Spec, solicitation for proposals for JHSV Preliminary Designs, evaluation of the proposals/designs, and downselect from the proposed designs to establish a competitive range for the follow-on Detail Design &amp; Construction Award. Milestone B preparation entails both statutory and regulatory documentation required for a Milestone decision.</p> <p>FY07 - Continued efforts to support award of contract for preliminary design in early 08. Resolved design issues and initiated the contract data package, including design drawings and specifications.</p> <p>FY08 - Continue preliminary design efforts leading to shipbuilding contract award in 4th quarter FY08. Commence studies to support definition of Navy unique requirements for JHSV #2.</p> <p>FY09 - Continue studies to support definition of Navy unique requirements for JHSV #2.</p>										
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Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2007 Cost (\$000)	FY 2007 Award Date	FY 2008 Cost (\$000)	FY 2008 Award Date	FY 2009 Cost (\$000)	FY 2009 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Ship Integration	C-CPIF	Alion	0.000	0.278	DEC-06	3.500	JAN-08	2.000	JAN-09	1.900	7.678	0.000
Systems Engineering	C-CPIF	CSC	0.000	0.500	MAR-07	1.500	JAN-08	1.000	JAN-09	0.956	3.956	0.000
<b>Subtotal Product Development</b>			<b>0.000</b>	<b>0.778</b>		<b>5.000</b>		<b>3.000</b>		<b>2.856</b>	<b>11.634</b>	<b>0.000</b>
Remarks:												
Development Support	TBD	TBD	0.000	0.000		2.000	JAN-08	0.000		0.000	2.000	0.000
Integrated Logistics Support	C-CPIF	Alion	0.000	0.376	APR-07	1.429	JAN-08	1.466	JAN-09	1.300	4.571	0.000
Configuration Management	TBD	TBD	0.000	0.000		1.000	JAN-08	0.874	JAN-09	0.867	2.741	0.000
Technical Data	WR	NSWC-CD	0.000	0.000		0.750	JAN-08	0.000		0.000	0.750	0.000
<b>Subtotal Support Costs</b>			<b>0.000</b>	<b>0.376</b>		<b>5.179</b>		<b>2.340</b>		<b>2.167</b>	<b>10.062</b>	<b>0.000</b>
Remarks:												
Operational Test & Evaluation	WR	COTF	0.000	0.000		1.704	JAN-08	1.000	JAN-09	1.500	4.204	0.000
<b>Subtotal Test and Evaluation</b>			<b>0.000</b>	<b>0.000</b>		<b>1.704</b>		<b>1.000</b>		<b>1.500</b>	<b>4.204</b>	<b>0.000</b>
Remarks:												
Contractor Engineering Support	C-CPIF	CSC	0.000	0.177	DEC-06	0.500	JAN-08	0.500	JAN-09	0.500	1.677	0.000
Government Engineering Support	WR	NSWC-CD/NSWC-DD	0.000	0.160	DEC-06	0.814	JAN-08	0.572	JAN-09	0.600	2.146	0.000
Program Management Support	C-CPIF	Alion	0.000	0.698	FEB-07	0.250	JAN-08	0.500	JAN-09	0.500	1.948	0.000
Travel	WR	NAVSEA	0.000	0.000		0.150	JAN-08	0.100	JAN-09	0.100	0.350	0.000
<b>Subtotal Management Services</b>			<b>0.000</b>	<b>1.035</b>		<b>1.714</b>		<b>1.672</b>		<b>1.700</b>	<b>6.121</b>	<b>0.000</b>
Remarks:												
<b>Total Cost</b>			<b>0.000</b>	<b>2.189</b>		<b>13.597</b>		<b>8.012</b>		<b>8.223</b>	<b>32.021</b>	<b>0.000</b>

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EXHIBIT R-4, SCHEDULE PROFILE

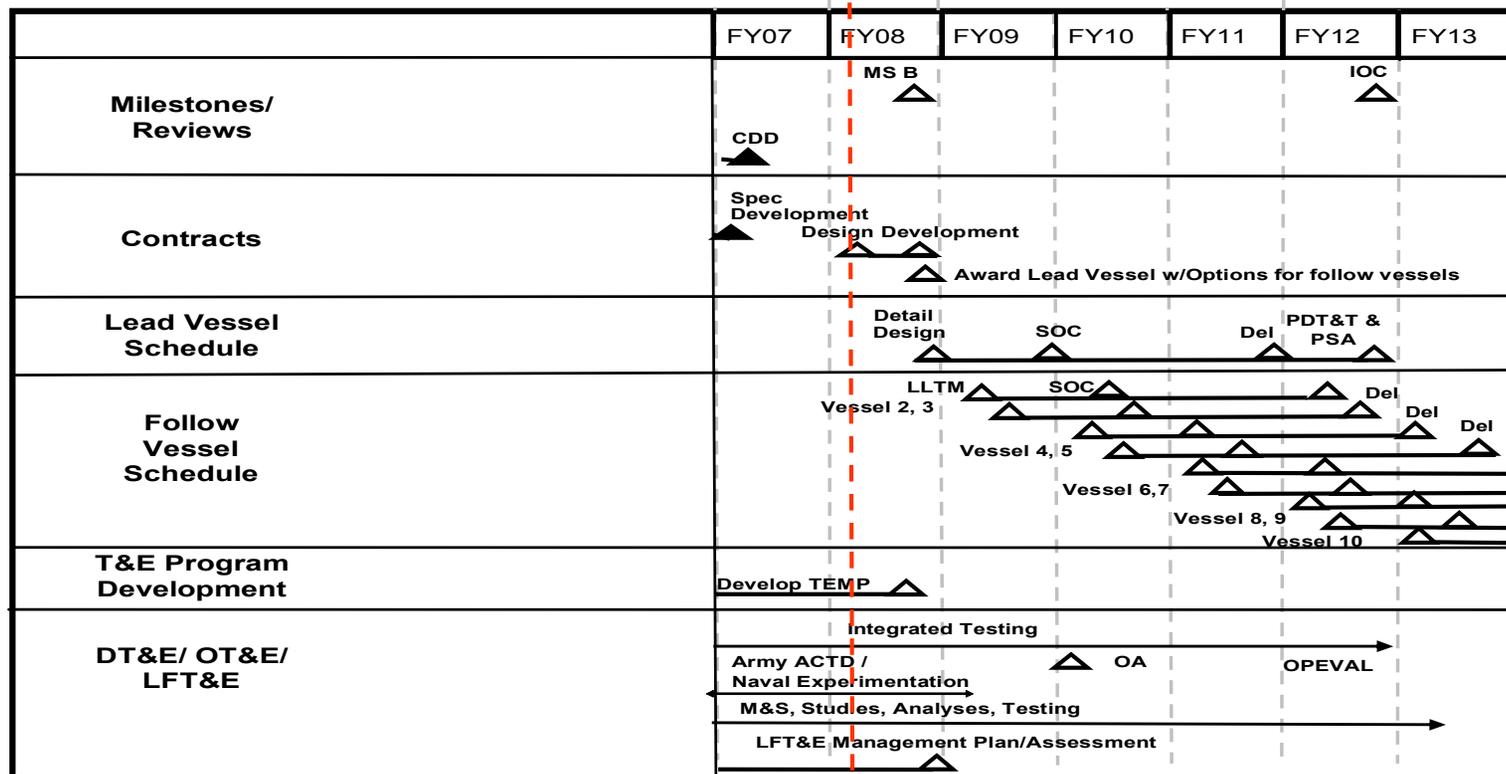
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