

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2007																																															
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE																																																
RD TEN/BA-4					PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES																																																
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013																																													
Total PE Cost	26.291	25.766	18.736	10.642	25.794	12.696	3.639	0.638																																													
0408 Ship Development (ADV)	0.000	0.556	3.542	0.564	0.593	0.613	0.625	0.638																																													
3127 Sea Base to Shore Connectors	14.026	13.329	13.181	0.000	0.000	0.000	0.000	0.000																																													
3131 Intratheater Connectors	4.669	0.000	0.000	0.000	0.000	0.000	0.000	0.000																																													
3132 Intertheater Connectors	7.596	7.348	0.000	0.000	0.000	0.000	0.000	0.000																																													
3195 JCC(X)	0.000	0.000	2.013	10.078	25.201	12.083	3.014	0.000																																													
Support for Naval Ship Hydrodynamic 9993N Test Facilities*	0.000	4.533	0.000	0.000	0.000	0.000	0.000	0.000																																													
<p><b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b> Initial Capabilities and potential Material Approach Alternatives (ship concepts), identified in PE 0603563N (Ship Concept Advanced Design) or other efforts are transitioned to and further developed by this program after an Initial Capabilities Document (ICD) is approved and usually after an approved Concept Decision (CD). The project performs the Ship Feasibility Studies, including development of alternative ship concepts, required to address and support the Analysis of Alternatives (AOA) for new surface ships in the Navy Shipbuilding Plan. Under Acquisition Reform for new ships, traditional distinct phasing of the design process has been replaced with a continuous concurrent engineering process. This project performs impact studies of warfare, hull, mechanical and electrical subsystems on advanced ship designs; enhances ship/ship system design methodologies that support feasibility studies; develops and upgrades the engineering tools, especially ship synthesis models, used to support AOA studies and other engineering efforts accomplished during the feasibility study phase; evaluates advanced and alternative technologies and develops total ship concepts with these technologies to assess their suitability; develops the initial documentation and design methodology required by the government for the design of surface ships in the Shipbuilding Program in accordance with the requirements of the DoD 5000; supports the development of the Capabilities Development Document (CDD) and other documentation required at Milestone A (which is usually program initiation for shipbuilding programs) and accomplishes other efforts for future ship acquisitions in support of a Milestone A. Ship Feasibility Study products include a description of the alternative ships' principal characteristics and mission critical subsystems, weight estimates, general arrangement sketches, technical risk assessments, and Life Cycle Cost estimate (LCCE). The objective of this project is to provide the decision makers with feasible, affordable alternatives to be selected for further development during the Total Ship Systems (previously called Contract and/or Functional) Design phase under PE0604567N. JCC(X) is a mobile, self-sustaining platform (that may be based on the LPD 17 hull form) with robust C4ISR capability for a Joint Force Commander and staff and provides in-theater command and control should a land-based headquarters be unavailable, constrained or threatened. RDT&amp;E profile supports necessary preliminary efforts in order to award detail design and procurement contract.</p> <p>*Issue 9993N is a congressional add for support of Naval Ship Hydrodynamic Test Facilities</p>																																																					
<p><b>B. Program Change Summary:</b></p> <table border="1"> <thead> <tr> <th></th> <th>FY 2006</th> <th>FY 2007</th> <th>FY 2008</th> <th>FY 2009</th> </tr> </thead> <tbody> <tr> <td>FY 2007 President's Budget.</td> <td>26.615</td> <td>21.314</td> <td>13.687</td> <td>0.588</td> </tr> <tr> <td>FY 2008 PB Controls</td> <td>26.291</td> <td>25.766</td> <td>18.736</td> <td>10.642</td> </tr> <tr> <td>Total Adjustments</td> <td>-0.324</td> <td>4.452</td> <td>5.049</td> <td>10.054</td> </tr> <tr> <td>Summary of Adjustments</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>    Congressional Action</td> <td>0.021</td> <td>4.533</td> <td>0.000</td> <td>0.000</td> </tr> <tr> <td>    Small Business Innovation</td> <td>-0.327</td> <td>0.000</td> <td>0.000</td> <td>0.000</td> </tr> <tr> <td>    Program Adjustments</td> <td>-0.018</td> <td>-0.081</td> <td>5.049</td> <td>10.054</td> </tr> <tr> <td>    Subtotal</td> <td>-0.324</td> <td>4.452</td> <td>5.049</td> <td>10.054</td> </tr> </tbody> </table>										FY 2006	FY 2007	FY 2008	FY 2009	FY 2007 President's Budget.	26.615	21.314	13.687	0.588	FY 2008 PB Controls	26.291	25.766	18.736	10.642	Total Adjustments	-0.324	4.452	5.049	10.054	Summary of Adjustments					Congressional Action	0.021	4.533	0.000	0.000	Small Business Innovation	-0.327	0.000	0.000	0.000	Program Adjustments	-0.018	-0.081	5.049	10.054	Subtotal	-0.324	4.452	5.049	10.054
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<p><b>C. Other Program Funding Summary:</b> See individual R-2as.</p>																																																					
<p><b>D. Acquisition Strategy:</b> Not Applicable</p>																																																					
<p><b>E. Performance Metrics:</b> Not Applicable</p>																																																					

Exhibit R-2a, RDT&E Project Justification						Date: February 2007		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME		
<b>RD TEN/BA-4</b>	<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>					<b>0408 Ship Development (ADV)</b>		
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	0.000	0.556	3.542	0.564	0.593	0.613	0.625	0.638
RDT&E Articles Qty								
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>								
<b>(0408) Ship Development</b>								
<p>This project supports the evaluation of advanced and alternative technologies through the Surface Ship Technology (SURFTECH) process for suitability for meeting total ship concepts capability needs. The objective of this project is to provide the decision makers with feasible, affordable alternatives to be selected for further development.</p> <p>In support of surface ship advanced technology development and transformation, the surface ship community has instituted a technology evaluation process to coordinate, identify, prioritize, and integrate technology insertion and development efforts and assist RDT&amp;E community efforts to initiate appropriate technology development. The current acquisition guidelines require the development of critical technologies after Milestone A. If significant gap analysis, planning, and early development efforts are not conducted in parallel with Concept Development the Navy will not be able to provide broad, cross-platform direction to surface navy development efforts in an effective manner and will not effectively leverage limited resources to quicken the pace of both development and transition of critical mission technologies for timely acquisition.</p>								
<b>B. Accomplishments/Planned Program</b>								
	FY 2006	FY 2007	FY 2008	FY 2009				
Accomplishments/Effort/Subtotal Cost	0.000	0.556	3.542	0.564				
RDT&E Articles Quantity	0.000	0.000	0.000	0.000				
<p>As new ship concepts with desired mission capabilities are developed, SURFTECH will continuously identify, prioritize, and integrate technology insertion and development efforts and assist the RDT&amp;E community efforts to initiate appropriate technology development. SURFTECH will provide continuous analysis of and feedback to ongoing technology development efforts to ensure project relevance and timely transition to meet acquisition schedules, which will be documented in the Technology Plan.</p> <p>\$3M in FY08 is designated for RDT&amp;E efforts for the AGOR Oceanographic Ships Program.</p>								

Exhibit R-2a, RDT&E Project Justification									Date: February 2007	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME								PROJECT NUMBER AND NAME	
<b>RD TEN/BA-4</b>	<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>								<b>0408 Ship Development (ADV)</b>	
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Complete</u>	<u>Total Cost</u>
<u>N/A</u>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>D. ACQUISITION STRATEGY:</b>										
<b>E. MAJOR PERFORMERS: TBD</b>										

Exhibit R-3 Cost Analysis (page 1)						Date: February 2007						
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RD TEN/BA-4		PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES				0408 Ship Development (ADV)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development												
Ancillary Hardware Development												
Component Development												
Ship Design												
Ship Suitability												
Systems Engineering												
Training Development												
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Development Support						3.000					3.000	
Software Development												
Training Development												
Integrated Logistics Support				0.100	2 QTR	0.100	2 QTR	0.100	2 QTR	0.460	0.760	
Configuration Management				0.400	1 QTR	0.400	1 QTR	0.404	1 QTR	1.753	2.957	
Technical Data												
Studies & Analyses												
GFE												
Award Fees												
Subtotal Support			0.000	0.500		3.500		0.504		2.213	6.717	
Remarks:												

Exhibit R-3 Cost Analysis (page 2)						Date: February 2007						
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RD TEN/BA-4		PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES				0408 Ship Development (ADV)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation												
Operational Test & Evaluation												
Live Fire Test & Evaluation												
Test Assets												
Tooling												
GFE												
Award Fees												
Subtotal T&E			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program management Support	Various	Various	0.000	0.056	1 QTR	0.042	1 QTR	0.060	1 QTR	0.256	0.414	
Travel												
Labor (Research Personnel)												
SBIR Assessment												
Subtotal Management			0.000	0.056		0.042		0.060		0.256	0.414	
Remarks:												
Total Cost			0.000	0.556		3.542		0.564		2.469	7.131	
Remarks:												



Exhibit R-4a, Schedule Detail							Date: February 2007		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT					PROJECT NUMBER AND NAME			
<b>RD TEN/BA-4</b>	<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>					<b>0408 Ship Development (ADV)</b>			
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Concept/Tech Development Analysis		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	
Initial Technology Plan		3rd Qtr							
Technology Plan Updates			2nd Qtr	2nd Qtr	2nd Qtr	2nd Qtr	2nd Qtr	2nd Qtr	

Exhibit R-2a, RDT&E Project Justification						Date: February 2007		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME		
<b>RD TEN/BA-4</b>	<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>					<b>3127 Sea Base to Shore Connectors</b>		
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	14.026	13.329	13.181	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>								
<p><b>SeaBase to Shore Connectors (3127)</b></p> <p>Provides the surface assault portion of the Joint Expeditionary Maneuver Warfare tactical solution set requirement to project, sustain, retrograde and re-employ joint combat power from the sea and Sea Base, independent of tides, water depth, underwater obstacles, or beach gradient. Provides the functional replacement for LCAC SLEP whose SLEP extended service life ends beginning in 2014. The program is currently developing an Initial Capabilities Document.</p>								
<b>B. Accomplishments/Planned Program</b>								
	FY 2006	FY 2007	FY 2008	FY 2009				
Accomplishments/Effort/Subtotal Cost	14.026	13.329	13.181	0.000				
RDT&E Articles Quantity	0.000	0.000	0.000	0.000				
<p>Complete ICD in the beginning of FY 07                      Start and complete AoA in FY07                      Started Concept Refinement in FY 06 to complete in FY07: Refines the initial concept and develops a technology development strategy.                      Start preparation of Capability Development Document (CDD) in FY 08 to complete in FY10: The CDD outlines an affordable increment of militarily useful, logistically supportable and technically mature capability.                      Prepare for and participate in Milestone A Review in FY07.</p>								

Exhibit R-2a, RDT&E Project Justification									Date: February 2007	
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT NUMBER AND NAME						PROJECT NUMBER AND NAME	
RD TEN/BA-4			PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES						3127 Sea Base to Shore Connectors	
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	To <u>Complete</u>	Total <u>Cost</u>
SCN 0204411N Surface Connector (55112)	0.000	0.000	0.000	0.000	0.000	217.080	0.000	215.881	3773.300	4206.261
RDT&E 0604567 Sea Base Connector (3133)	0.000	0.000	14.633	26.326	10.023	2.030	2.069	2.107	0.000	57.188
<b>D. ACQUISITION STRATEGY:</b>										
FY05 - ICD, FY06 - AoA, FY07 CDD, FY07 Concept Refinement, FY07 Technology Development										
<b>E. MAJOR PERFORMERS:</b>										
<b>Field Activities &amp; Locations - Work Performed</b>										
NSWC Philadelphia, Phil. PA.	Philadelphia, PA	Systems Engineering - Propulsion Systems								
NSWC Panama City, FL	Panama City, FL	Systems Engineering - Hull, Mechanical & Electrical								
NUWC Keyport, FL	Keyport, FL	Systems Engineering - Command and Control								
<b>Contractors &amp; Locations - Work Performed</b>										
Textron Marine & Land Systems	New Orleans LA	SSC Concept Study & Skirt Technology								
Rolls-Royce	Walpole, MA	Marine Gas Turbine								
Goodrich	Jacksonville, FL	Composite Fan propulsor Assembly								
NG Electric Systems	Sunnyvale, CA	Integrated Power Systems and Mechanical Drive Options								
Umoe Mandal	Virginia Beach, VA	Concept Study & Fiber Reinforced Plastic								
Alion Science and Tech.	Chicago, IL	Hybrid ACV Propulsion								
Technology Systems Inc	Brunswick, MA	Augmented Reality Visualization								
<b>Universities &amp; Locations - Work Performed</b>										
Penn State ARL	State College, PA	Maintenance Network								

Exhibit R-2a, RDT&E Project Justification						Date: February 2007		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME		
RD TEN/BA-4	PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES					3131 Intratheater Connectors		
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	4.669	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>								
<p><b>(3131) Intratheater Connectors</b> develops future capabilities in support of intratheater connectors. These ship systems will be capable of self-deploying to the theater of operations, provide the air and surface means to move forces and supplies over operational distances within a theater. Intratheater connectors provide the JFC a mobility asset that enables rapid force closure to the seabase from advanced bases, movement of logistics, ship-to-ship and ship-to-shore replenishment, and in appropriate threat environments, the maneuver of forces to the shore.</p> <p>The primary missions approved by the Services and defined in the Initial Capabilities Document (ICD) include the following:</p> <ul style="list-style-type: none"> <li>- Global War on Terror (GWOT)/Theater Security Cooperation Program (TSCP)</li> <li>- Intratheater Operational/Littoral Maneuver</li> <li>- Force Closure/Seabasing Support</li> </ul> <p>The Intratheater connector will have the following characteristics:</p> <ul style="list-style-type: none"> <li>* Moderate payload capacity (500 to 1,000 short tons)</li> <li>* Shallow draft</li> <li>* Self deploying and sustaining for short periods</li> <li>* Cross-theater laden ranges</li> </ul> <p>FY07 through FY11 requirements realigned to new PE 0208058N, Project 3131</p>								
<b>B. Accomplishments/Planned Program</b>								
	FY 2006	FY 2007	FY 2008	FY 2009				
Accomplishments/Effort/Subtotal Cost	4.669	0.000	0.000	0.000				
RDT&E Articles Quantity	0.000	0.000	0.000	0.000				
<p><b>R&amp;D Efforts for Intratheater Connector</b> - commercial technology integration analysis, risk mitigation, analysis of alternatives, concept refinement, and development of analysis of performance specification.</p>								

Exhibit R-2a, RDT&E Project Justification									Date: February 2007	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME								PROJECT NUMBER AND NAME	
RD TEN/BA-4	PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES								3131 Intratheater Connectors	
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Complete</u>	<u>Total Cost</u>
PE 0204228N SCN/BLI3043 Intratheater Connector Surface Support	0.000	0.000	0.000	174.310	174.288	181.925	0.000	0.000	TBD	530.523
PE 0604567N (U)SHIP CONTRACT DESIGN/ LIVE FIRE T&E/3134 Intratheater Connectors	1.871	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.871
PE 0208058N (U)JOINT HIGH SPEED VESSEL (JHSV)										
3131 Intratheater Connectors (Concept Studies)	0.000	11.861	5.041	3.948	1.768	2.468	0.007	0.004	TBD	25.086
3134 Intratheater Connectors (Contract Design)	0.000	2.248	13.893	8.012	6.882	1.341	0.009	0.005	TBD	32.376
<b>D. ACQUISITION STRATEGY:</b>										
Feasibility studies will be conducted to determine the best designs to meet new Joint Service requirements for intratheater connectors.										
<b>E. MAJOR PERFORMERS:</b>										
<b>Field Activities &amp; Locations - Work Performed</b>										
NSWC, Carderock, MD - Concept development and engineering support										
SPAWAR Systems Center, Charleston SC - Concept development and engineering support										
NAVAIR Pax River, MD - Concept development and engineering support										
<b>Contractors &amp; Locations - Work Performed</b>										
CSC, Washington, DC - Engineering Support										
ALION-JJMA, Washington, DC - Program Support										
<b>Universities &amp; Locations - Work Performed</b>										

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME		
<b>RD TEN/BA-4</b>	<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>					<b>3132 Intertheater Connectors</b>		
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	7.596	7.348	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty								
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>								
<p><b>(3132) Intertheater Connectors</b> - conduct feasibility studies and preliminary design studies for a high speed sealift ship to deliver strike aircraft to the sea base. The ship will provide an improved MEB force closure for the sea base by deploying troops, non-self deploying aircraft and other high demand/low density (HD/LD) items via rapid surface strategic lift directly to the sea base. Analysis developed during Joint Staff sponsored Advanced Mobility Concept Study also indicates that rapid surface lift can close larger forces faster than airlift in certain circumstances. Consequently, the Intertheater Connector is envisioned to be a strategic sealift vessel capable of supporting closure of Marine Expeditionary Brigade, Army SBCT, Navy, Air Force or SOF units. Employment could support entire conflict spectrum.</p>								
<b>B. Accomplishments/Planned Program</b>								
	FY 2006	FY 2007	FY 2008	FY 2009				
Accomplishments/Effort/Subtotal Cost	7.596	7.348	0.000	0.000				
RDT&E Articles Quantity	0.000	0.000	0.000	0.000				
<p><b>R&amp;D Efforts for Intertheater Connector</b> - Develop and Validate tools in critical technology areas to allow Navy to Warrant /Certify possible designs of high speed intertheater connectors; Resistance and Powering, Hull/Propulsor Interaction, Seakeeping and Structural Loads.</p>								
<p><b>Engineering and Acquisition Support</b> - Engineering and program management including requirements development, acquisition documentation development in support of acquisition milestones. Concept studies in support of Concept Decision and AOA.</p>								

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Budget Item Justification		<b>FY 2008/FY2009 OSD/OMB BES (\$M)</b>			<b>DATE:</b> Date: February 2007
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN/BA-4</b>	PROGRAM ELEMENT NUMBER AND NAME <b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>			PROJECT NUMBER AND NAME <b>3132 Intertheater Connectors</b>	
<b>B. Accomplishments/Planned Program</b>					
	FY 06	FY 07	FY 08	FY 09	
Accomplishments/Effort/Subtotal Cost	4.896	3.095	#REF!	#REF!	
RDT&E Articles Quantity					
<b>R&amp;D Efforts for Intertheater Connector</b> - Develop and Validate tools in critical technology areas to allow Navy to Warrant /Certify possible designs of high speed intertheater connectors ; Resistance and Powering, Hull/Propulsor Interaction ,Seakeeping and Structural Loads					
	FY 06	FY 07	FY 08	FY 09	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity	2.700	4.253	#REF!	#REF!	
<b>Engineering and Acquisition Support:</b> Engineering and program management including requirements development, acquisition documentation development in support of acquisition milestones. Concept studies in support of Concept Decision and AOA.					

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RD TEN/BA-4	PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES	3132 Intertheater Connectors
<p><b>C. OTHER PROGRAM FUNDING SUMMARY:</b> N/A</p> <p><b>D. ACQUISITION STRATEGY:</b> Concept studies will be conducted to determine how to best meet new Navy requirements for the intertheater connector.</p> <p><b>E. MAJOR PERFORMERS:</b>  <b>Field Activities &amp; Locations - Work Performed</b>                      NSWC, Carderock, MD - Concept development and engineering support                      NSWC, Panama City, FL - Concept development                      NFESC Pt Hueneme CA - Concept development                      SPAWAR Systems Center, Charleston SC - Concept development and engineering support                      NAVAIR Pax River, MD - Concept development and engineering support                      Office of Naval Research, Arlington, VA - Concept Development</p> <p><b>Contractors &amp; Locations - Work Performed</b>                      CSC, Washington, DC - Engineering Support</p> <p><b>Universities &amp; Locations - Work Performed</b></p>		

<b>CLASSIFICATION:</b>		<b>UNCLASSIFIED</b>						
<b>EXHIBIT R-2A, RDT&amp;E Project Justification</b>					<b>DATE: February 2007</b>			
<b>APPROPRIATION/BUDGET ACTIVITY</b>		<b>PROGRAM ELEMENT NUMBER AND NAME</b>				<b>PROJECT NUMBER AND NAME</b>		
RDT&E,N/BA-5		PE 0603564N/SHIP PRELIM DESIGN & FEASIBILITY STUDIES				3195 JCC(X)		
<b>COST (\$ in Millions)</b>	<b>FY 2006</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>
JCC(X)	0.000	0.000	2.013	10.078	25.201	12.083	3.014	0.000

  

**(U) A. Mission Description and Budget Item Justification:**  
 (3195) JCC(X) is a mobile, self-sustaining platform (that may be based on the LPD 17 hull form) with robust C4ISR capability for a Joint Force Commander and staff and provides in-theater command and control should a land-based headquarters be unavailable, constrained or threatened.

  

**(U) B. Accomplishments/Planned Program**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
Ship Preliminary Design and Feasibility Studies	0.000	0.000	2.013	10.078

  

Budgeted funds will fund JCC(X) related ICD, CD, AOA, CDD and other JCC(X) preliminary design and feasibility study efforts necessary to obtain a Program Decision to proceed with functional designs in FY 2010.

  

**(U) C. OTHER PROGRAM FUNDING SUMMARY**

<u>Line Items No. &amp; Name</u>	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY2012	FY2013
PE: 0603564N/Project 3195	0	0	2.013	10.078	25.201	12.083	3.014	0.000
BLI: 5521500 (JCC(X) SCN)							2,229,089.0	0.000

  

**(U) D. ACQUISITION STRATEGY**

  

**(U) E. MAJOR PERFORMERS**



CLASSIFICATION:

FY 2008/FY2009 OSD/OMB BES (\$M)										DATE:				
Exhibit R-3 Cost Analysis (page 2)										February 2007				
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
<b>RD TEN/BA-4</b>				<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>				<b>3195 JCC (X)</b>						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation													0.000	
Operational Test & Evaluation													0.000	
Live Fire Test & Evaluation													0.000	
Test Assets													0.000	
Tooling													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		0.000		0.000	0.000	
:Remarks														
Contractor Engineering Support													0.000	
Government Engineering Support													0.000	
Program management Support													0.000	
Travel													0.000	
Transportation													0.000	
SBIR Assessment													0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	
:Remarks														
Total Cost			0.000	0.000		0.000		2.013		10.078		40.298	52.389	
Remarks:														



Exhibit R-4a, Schedule Detail							Date: February 2007		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT					PROJECT NUMBER AND NAME		
<b>RD TEN/BA-4</b>		<b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>					<b>3195 JCC(X)</b>		
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
<b>JCC(X) Ship Preliminary Design &amp; Feasibility Studies to achieve</b>									
<b>JCC(X) Acquisition Milestones</b>									
MS A (Concept Decision)			4Q						
MS B							1Q		
Detailed Design and Construction							2Q - 4Q	1Q - 4Q	

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: <b>February 2007</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN/BA-4</b>	PROGRAM ELEMENT NUMBER AND NAME <b>PE 0603564N/SHIP PRELIM DESIGN &amp; FEASIBILITY STUDIES</b>	PROJECT NUMBER AND NAME 9993N Hydrodynamic Test Facilities		
<b>CONGRESSIONAL PLUS-UPS:</b>				
	FY 06	FY07	FY08	FY09
9993N				
Support for Hydrodynamic Test Facilities	0.000	4.533	0.000	0.000
(U) This Congressional add is for support for Naval Ship Hydrodynamic Test Facilities.				
	FY 06			