

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY/BA-7					R-1 ITEM NOMENCLATURE NAT'L SHIPBLDG RES PROG ADVANCED SHIPBLDG ENTERPRISE/0708730N					
COST (\$ in Millions)		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Total PE Cost		9.013	33.269	9.943	0.000	0.000	0.000	0.000	0.000	91.129
NSRP ASE/S2466/S2811		9.013	22.366	9.943	0.000	0.000	0.000	0.000	0.000	80.226
High Speed Cargo Craft/R9120		0.000	3.965	0.000	0.000	0.000	0.000	0.000	0.000	3.965
Maritime Tech, Ship Design & Sys Develop Init/R9121		0.000	6.938	0.000	0.000	0.000	0.000	0.000	0.000	6.938
Quantity of RDT&E Articles		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A. Mission Description and Budget Item Justification:

Project S2466/S2811 (NSRP ASE): The mission of the National Shipbuilding Research Program Advanced Shipbuilding Enterprise (NSRP ASE) is to manage and focus national research funding on technologies that will enhance U.S. commercial shipbuilding competitiveness and reduce the cost of naval ships.

Industry has developed a landmark long range Strategic Investment Plan which will guide NSRP ASE investments. This Strategic Investment Plan provides a framework to guide collaborative research and development among all segments of the U.S. ship construction and repair industry, educational and research institutions, and Government. The objective is to assist the industry in achieving significant reduction in the cost and time required for both commercial and Navy ship construction, conversion, and repair. The recommended investment portfolio includes major initiatives that tie the strategic vision to proposed industry research through collaborative R&D. The major initiatives include: Shipyard Production Process Technologies, Business Process Technologies, Product Design and Material Technologies, Systems Technologies, Facilities and Tooling. Additionally, several critical success factors were found to cut across all of the major initiatives. These "Crosscut Initiatives" include Education and Training, Technology Transfer, Organizational Change, Environmental Protection and Human Resources.

The collaboration of major shipyards that lead the program are: Electric Boat Corporation, Bath Iron Works, Newport News Shipbuilding, Atlantic Marine, Northrop Grumman Litton Ingalls Shipbuilding, Friede/Goldman/Halter Marine, Northrop Grumman Litton Avondale, NASSCO, Todd Pacific, Cascade General and Bender Shipbuilding.

Project R9120 (High Speed Cargo Craft): Develop and conduct an experimentation program utilizing a High Speed Vessel (HSV-X1) to explore the operational ramifications of new technologies and advanced ship designs for littoral operations. This experimentation program employs a leased Bollinger/Incat wave piercing catamaran as a surrogate High Speed Vessel to explore the potential impact of significant improvements in operating speed, reduced draft, payload/mission module flexibility, low cr4w manning, range, and payload fraction. This experimentation will investigate the potentially transformational impact of these improved characteristics in the context of current warfare mission capabilities and future operational concepts which would be enabled.

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APPROPRIATION/BUDGET ACTIVITY

RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY/BA-7

R-1 ITEM NOMENCLATURE

NAT'L SHIPBLDG RES PROG ADVANCED SHIPBLDG ENTERPRISE/0708730N

Project R9120 (High Speed Cargo Craft): Continued from Page 1 of 15

The Navy Warfare Development Command (NWDC); U.S. Army Combined Arms Support Command; Office of Naval Research (ONR); the Marine Corps Plans, Policies, and Operations Department; Navy Special Warfare Command and the U.S. Coast Guard Deep Water Project Program have agreed to cooperate in a joint experimentation effort to explore and develop this kind of technology. The 12-24 month experimentation phase will be coordinated by NWDC, in close partnership with other elements of the U.S. Navy, the U.S. Marine Corps, U.S. Army and U.S. Coast Guard. These commands and others will develop the experimentation plan that incorporates all the research objectives from each of the services to include joint experimentation in Millennium Challenge 02, the major Joint experimentation venue led by Joint Forces Command. The services will also work together to consolidate the analytical talent to both build the experiments and analyze results. Members of the experimentation team expect to conclude this joint experimentation effort with an understanding of where these technologies can best be applied across our respective mission spectrums. At that point, each partner will be able to much more accurately define and articulate the capabilities they need to include in the future ships that will optimize the advantages of these technologies. These insights will be used to determine the characteristics of the next generation of experimental littoral craft.

Project R9121 (Ship Design and Systems Development Initiative): Develop a cooperative research effort to improve the quality of shipyard products, efficiency of shipyard production and introduce advanced ship system designs. Thrust areas for this effort include: 1) Lean/agile manufacturing; 2) Shipyard Production Process Automation; 3) Shipyard Production Process Improvement; 4) Ship Design and Production Simulation and Visualization; 5) Education and Training; 6) Application of Advanced Materials to Ship Design and Manufacturing; 7) Design and Application of Advanced Ship Systems. A team of Navy, University of New Orleans, and Northrop Grumman Ship Systems (Avondale) personnel will prioritize potential research projects supporting these thrust areas and oversee project execution to ensure program goals are being met.

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA-7	PROGRAM ELEMENT NAME AND NUMBER NSRP ASE/0708730N			PROJECT NAME AND NUMBER NSRP ASE/S2466/S2811						
COST (\$ in Millions)		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Project Cost		9.013	22.366	9.943	0.000	0.000	0.000	0.000	0.000	80.226
RDT&E Articles Qty		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A. Mission Description and Budget Item Justification

The mission of the National Shipbuilding Research Program Advanced Shipbuilding Enterprise (NSRP ASE) is to manage and focus national research funding on technologies that will enhance U.S. commercial shipbuilding competitiveness and reduce the cost of naval ships.

Industry has developed a landmark long range Strategic Investment Plan which will guide NSRP ASE investments. This Strategic Investment Plan provides a framework to guide collaborative research and development among all segments of the U.S. ship construction and repair industry, educational and research institutions, and Government. The objective is to assist the industry in achieving significant reduction in the cost and time required for both commercial and Navy ship construction, conversion, and repair. The recommended investment portfolio includes major initiatives that tie the strategic vision to proposed industry research through collaborative R&D. The major initiatives include: Shipyard Production Process Technologies, Business Process Technologies, Product Design and Material Technologies, Systems Technologies, Facilities and Tooling. Additionally, several critical success factors were found to cut across all of the major initiatives. These "Crosscut Initiatives" include Education and Training, Technology Transfer, Organizational Change, Environmental Protection and Human Resources.

The collaboration of major shipyards that lead the program are: Electric Boat Corporation, Bath Iron Works, Newport News Shipbuilding, Atlantic Marine, Northrop Grumman Litton Ingalls Shipbuilding, Friede/Goldman/Halter Marine, Northrop Grumman Litton Avondale, NASSCO, Todd Pacific, Cascade General and Bender Shipbuilding.

FY 2001 ACCOMPLISHMENTS: (9,013K)

- (U) (4,676K) Continued technology development projects in the six major initiative areas selected from Research Announcement One (13 projects).
- (U) (3,737K) Continued technology development projects in the six major initiative areas selected from Research Announcement Two.
- (U) (300K) Continued utilization of industry-led major initiative teams to perform the execution and annual review of the Strategic Investment Plan, including technology transfer among the Navy, the shipbuilding industry, academia, equipment and material suppliers and the R&D community.
- (U) (125K) Initiated transition of projects to shipbuilding programs.
- (U) (150K) Operated multi-agency support office to facilitate technology transfer between Government and industry.
- (U) (25K) Completed close out of DARPA MARITECH and NSRP projects that transferred to NSRP ASE.

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APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NAME AND NUMBER

PROJECT NAME AND NUMBER

RDT&E, N/BA-7

NSRP ASE/0708730N

NSRP ASE/S2466/S2811

FY 2002 PLAN: (22,366K)

- (U) (9,100) Complete all remaining technology development projects in the six major initiative areas selected from Research Announcement One (13 projects).
- (U) (12,456) Continue technology development projects in the six major initiative areas selected from Research Announcement Two.
- (U) (400K) Continue utilization of industry-led major initiative teams to perform the execution and annual review of the Strategic Investment Plan, including technology transfer among the Navy, shipbuilding industry, academia, equipment and material suppliers and the R&D community.
- (U) (250K) Continue transition of projects to shipbuilding programs.
- (U) (160K) Operate multi-agency support office to facilitate technology transfer between Government and industry.

FY 2003 PLAN: (9,943K)

- (U) (9,133K) Continue technology development projects in the six major initiative areas selected from Research Announcement Two.
- (U) (400K) Continue utilization of industry-led major initiative teams to perform the execution and annual review of the Strategic Investment Plan, including technology transfer among the Navy, shipbuilding industry, academia, equipment and material suppliers and the R&D community.
- (U) (250K) Continue transition of projects to shipbuilding programs.
- (U) (160K) Operate multi-agency support office to facilitate technology transfer between Government and industry.

B. Program Change Summary:

	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>
(U) FY 2002 President's Budget:	9.280	20.065	
(U) Appropriated Value:	9.366	20.065	
Adjustments to FY 2001/2002 Appropriated Value/FY2002 : President's Budget:	-0.353	2.301	
(U) FY 2003 President's Budget:	9.013	22.366	9.943

Change Summary Explanation:

- (U) Funding: FY01: \$-243K SBIR reduction, \$-66K .7% Pro-Rata, \$-20K Government Wide Rescission, \$-24K 01 Actuals.
FY02: \$2,500 Congressional plus-up, \$-199K Management Reform Initiatives

(U) Schedule: Not Applicable

(U) Technical: Not Applicable

C. Other Program Funding Summary (Related RDT&E): DARPA P.E. 0603746E (MARITECH) - NSRP ASE follows the original DARPA MARITECH program. Work remaining under the original DARPA program has transitioned to the NSRP ASE program.

D. Acquisition Strategy: R&D projects have been solicited and awarded by an industry collaboration represented by the Executive Control Board (ECB) of the National Shipbuilding Research Program (NSRP). The Navy has entered into an agreement with the industry collaboration using "other transaction" authority pursuant to 10 U.S.C. 2371.

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EXHIBIT R-2a, RDT&E Project Justification		DATE:	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NAME AND NUMBER	
PROJECT NAME AND NUMBER		PROJECT NAME AND NUMBER	
RDT&E, NBA-7	NSRP ASE/0708730N	NSRP ASE/S2466/S2811	February 2002
E. Schedule Profile:			
	FY 2001	FY 2002	FY 2003
Engineering Milestones: N/A			
T&E Milestones: N/A			
Contract Milestones:			
Other Program Events:	Continuation, completion and technology transfer of shipbuilding process projects. 3Q Annual Update of Strategic Invest. Plan	Continuation, completion and technology transfer of shipbuilding process projects. 3Q Annual Update of Strategic Invest. Plan	Continuation, completion and technology transfer of shipbuilding process projects. 3Q Annual Update of Strategic Invest. Plan

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Exhibit R-3 Cost Analysis (page 1)							DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
RDT&E, N			NSRP ASE - PE 0708730N			NSRP ASE/S2466/S2811						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Technology Development	SS OT*	ECB NSRP**	34.406	8.663	VARIOUS	22.136	VARIOUS	9.713	VARIOUS	0.000	74.918	74.918
Subtotal Product Development			34.406	8.663		22.136		9.713		0.000	74.918	74.918
Remarks: * Other Transactions IAW 10 USC 2371												
Gov't Support Serv/Other Agencies	MIPR/WR	MARAD	2.448	0.050	1Q00	0.050	1Q01	0.050	1Q01	0.000	2.598	2.598
Support Services Revolving Accts	MIPR/WR	VARIOUS	0.546	0.180	1Q00	0.050	1Q01	0.050	1Q01	0.000	0.826	0.826
Subtotal Support			2.994	0.230		0.100		0.100		0.000	3.424	3.424
Remarks:												

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Exhibit R-3, Project Cost Analysis
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Exhibit R-3 Cost Analysis (page 2)								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUM						
RDT&E, N			NSRP ASE - PE 0708730N			NSRP ASE/S2466/S2811						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Subtotal T&E			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Contract Support Services												
Technology Development	Reqn*	TRW/Schafer Corp.	0.810	0.000		0.000		0.000		0.000	0.810	0.810
Technology Development	SS	PSU/APL	0.175	0.100	1Q01	0.110	1Q01	0.110	1Q01	0.000	0.495	0.495
PM Support	RC	NASSCO	0.070	0.000		0.000		0.000		0.000	0.070	0.070
NSNET	RC	University of Michigan	0.400	0.000		0.000		0.000		0.000	0.400	0.400
Travel			0.049	0.020	VARIOUS	0.020	VARIOUS	0.020	VARIOUS	0.000	0.109	0.109
Subtotal Management			1.504	0.120		0.130		0.130		0.000	1.884	1.884
Remarks: * Procure under GSA Schedule												
Total Cost			38.904	9.013		22.366		9.943		0.000	80.226	80.226
Remarks:												

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Exhibit R-3, Project Cost Analysis
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EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2002																								
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NAME AND NUMBER				PROJECT NAME AND NUMBER																									
RDT&E, N/BA-7	NSRP ASE/0708730N				High Speed Cargo Craft/R9120																									
COST (\$ in Millions)		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost																				
Project Cost		0.000	3.965	0.000	0.000	0.000	0.000	0.000	0.000	3.965																				
RDT&E Articles Qty		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																				
<p>A. Mission Description and Budget Item Justification:</p> <p>Project R9120 (High Speed Cargo Craft): Develop and conduct an experimentation program utilizing a High Speed Vessel (HSV-X1) to explore the operational ramifications of new technologies and advanced ship designs for littoral operations. This experimentation program employs a leased Bollinger/Incat wave piercing catamaran as a surrogate High Speed Vessel to explore the potential impact of significant improvements in operating speed, reduced draft, payload/mission module flexibility, low cr4w manning, range, and payload fraction. This experimentation will investigate the potentially transformational impact of these improved characteristics in the context of current warfare mission capabilities and future operational concepts which would be enabled.</p> <p>The Navy Warfare Development Command (NWDC); U.S. Army Combined Arms Support Command; Office of Naval Research (ONR); the Marine Corps Plans, Policies, and Operations Department; Navy Special Warfare Command and the U.S. Coast Guard Deep Water Project Program have agreed to cooperate in a joint experimentation effort to explore and develop this kind of technology. The 12-24 month experimentation phase will be coordinated by NWDC, in close partnership with other elements of the U.S. Navy, the U.S. Marine Corps, U.S. Army and U.S. Coast Guard. These commands and others will develop the experimentation plan that incorporates all the research objectives from each of the services to include joint experimentation in Millennium Challenge 02, the major Joint experimentation venue led by Joint Forces Command. The services will also work together to consolidate the analytical talent to both build the experiments and analyze results. Members of the experimentation team expect to conclude this joint experimentation effort with an understanding of where these technologies can best be applied across our respective mission spectrums. At that point, each partner will be able to much more accurately define and articulate the capabilities they need to include in the future ships that will optimize the advantages of these technologies. These insights will be used to determine the characteristics of the next generation of experimental littoral craft.</p> <p>FY 2001 Accomplishments: N/A</p> <p>FY 2002 PLAN: - (U) (\$3,965) Initiate and execute experimentation program utilizing HSV-X1</p> <p>FY 2003 PLAN: N/A</p> <p>B. Program Change Summary:</p> <table border="0"> <thead> <tr> <th></th> <th><u>FY2001</u></th> <th><u>FY2002</u></th> <th><u>FY2003</u></th> </tr> </thead> <tbody> <tr> <td>(U) FY 2002 President's Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Appropriated Value:</td> <td></td> <td>4.000</td> <td></td> </tr> <tr> <td>(U) Adjustments to FY 2001/2002 Appropriated Value/ President's Budget:</td> <td></td> <td>-0.035</td> <td></td> </tr> <tr> <td>(U) FY 2003 President's Budget:</td> <td></td> <td>3.965</td> <td></td> </tr> </tbody> </table> <p>Change Summary Explanation: (U) Funding: FY02: \$-35K management reform initiatives</p> <p>(U) Schedule: Not Applicable</p> <p>(U) Technical: Not Applicable</p>												<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>	(U) FY 2002 President's Budget				(U) Appropriated Value:		4.000		(U) Adjustments to FY 2001/2002 Appropriated Value/ President's Budget:		-0.035		(U) FY 2003 President's Budget:		3.965	
	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>																											
(U) FY 2002 President's Budget																														
(U) Appropriated Value:		4.000																												
(U) Adjustments to FY 2001/2002 Appropriated Value/ President's Budget:		-0.035																												
(U) FY 2003 President's Budget:		3.965																												

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA-7	PROGRAM ELEMENT NAME AND NUMBER NSRP ASE/0708730N	PROJECT NAME AND NUMBER High Speed Cargo Craft/R9120			
<p>C. Other Program Funding Summary: None</p> <p>D. Acquisition Strategy: N/A</p> <p>E. Schedule Profile:</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">FY 2001</td> <td style="width: 33%; text-align: center;">FY 2002</td> <td style="width: 33%; text-align: center;">FY 2003</td> </tr> </table> <p>Engineering Milestones: N/A T&E Milestones: N/A Contract Milestones: Other Program Events:</p> <div style="margin-left: 150px;"> <p>Execute experimentation program and conduct analysis of mission areas.</p> </div>			FY 2001	FY 2002	FY 2003
FY 2001	FY 2002	FY 2003			

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Exhibit R-3 Cost Analysis (page 1)							DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
RDT&E, N/BA-7			Maritime Technology 0708730N			High Speed Cargo Craft/R9120						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal			0.000	0.000		0.000		0.000		0.000	0.000	
Gov't Support Serv/Other Agencies	N/A	NWDC				1.965	2Q02				1.965	
Gov't Support Serv/Other Agencies	N/A	ONR				2.000	2Q02				2.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Support			0.000	0.000		3.965		0.000		0.000	3.965	
Remarks: Experimentation program will be executed by the Navy Warfare Development Command. Work related to the preparation of operational/developmental systems and operational experimentation articles will be coordinated by the Office of Naval Research.												

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Exhibit R-3, Project Cost Analysis
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Exhibit R-3 Cost Analysis (page 2)								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
RDT&E, N/BA-7			Maritime Technology 0708730N			Maritime Technology, High Speed Cargo Craft/R9120						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation											0.000	
Operational Test & Evaluation											0.000	
Tooling											0.000	
GFE											0.000	
Subtotal T&E			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	
Labor (Research Personnel)											0.000	
Overhead											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost						3.965					3.965	
Remarks:												

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA-7		PROGRAM ELEMENT NAME AND NUMBER NSRP ASE/0708730N			PROJECT NAME AND NUMBER Ship Design and Systems Development Initiative/R9121						
COST (\$ in Millions)			FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Project Cost			0.000	6.938	0.000	0.000	0.000	0.000	0.000	0.000	6.938
RDT&E Articles Qty			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A. Mission Description and Budget Item Justification:

Develop a cooperative research effort to improve the quality of shipyard products efficiency of shipyard production and introduce advanced ship system designs. Thrust areas for this effort include: 1) Lean/agile manufacturing; 2) Shipyard Production Process Automation; 3) Shipyard Production Process Improvement; 4) Ship Design and Production Simulation and Visualization; 5) Education and Training; 6) Application of Advanced Materials to Ship Design and Manufacturing; 7) Design and Application of Advanced Ship Systems. A team of Navy, University of New Orleans, and Northrop Grumman Ship Systems (Avondale) personnel will prioritize potential research projects supporting these thrust areas and oversee project execution to ensure program goals are being met.

FY 2001 ACCOMPLISHMENTS: N/A

FY 2002 PLAN:

- (U) (\$6,938) Initiate and execute research projects supporting the thrust areas.

FY 2003 PLAN: N/A

B. Program Change Summary:

	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>
(U) FY 2002 President's Budget			
(U) Appropriated Value:		7.000	
(U) Adjustments to FY 2001/2002 Appropriated Value/ President's Budget:		-0.062	
(U) FY 2003 President's Budget:		6.938	

Change Summary Explanation:

(U) Funding: FY02: \$-62K management reform initiatives

(U) Schedule: Not Applicable

(U) Technical: Not Applicable

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2002
APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA-7	PROGRAM ELEMENT NAME AND NUMBER NSRP ASE/0708730N	PROJECT NAME AND NUMBER Ship Design and Systems Development Initiative/R9121
C. Other Program Funding Summary: None		
D. Acquisition Strategy: R&D will be executed through the Gulf Coast Region Maritime Technology Center Cooperative Agreement with the University of New Orleans.		
E. Schedule Profile:		
	FY 2001	FY 2002
		FY 2003
Engineering Milestones: N/A		
T&E Milestones: N/A		
Contract Milestones:		
Other Program Events:		Initiate program, define and execute research projects with thrust areas.

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Exhibit R-3 Cost Analysis (page 1)							DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
RDT&E, N/BA-7			Maritime Technology 0708730N			Ship Design and Systems Development Initiative R9121						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
											0.000	
											0.000	
Technology Development	CA	University of New Orleans	0.000	0.000		6.738	2Q02	0.000			6.738	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Technology Development			0.000	0.000		6.738		0.000		0.000	6.738	
<p>Remarks: Work will be executed by the University of New Orleans through the Gulf Coast Region Maritime Technology Center Cooperative Agreement with ONR. Northrop Grumman Ship Systems (Avondale) will be the key subrecipient and will play a large role in this project.</p>												
Development Support Equipment											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
GFE											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	
<p>Remarks:</p>												

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Exhibit R-3, Project Cost Analysis
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CLASSIFICATION:

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2002		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NAME AND NUMBER					
RDT&E, N/BA-7			Maritime Technology 0708730N				Maritime Technology, Ship Design and Systems Development Initiative R9121					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation											0.000	
Operational Test & Evaluation											0.000	
Tooling											0.000	
GFE											0.000	
Subtotal T&E			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						0.170	2Q02				0.170	
Travel						0.030	2Q02				0.030	
Labor (Research Personnel)											0.000	
Overhead											0.000	
Subtotal Management			0.000	0.000		0.200		0.000		0.000	0.200	
Remarks:												
Total Cost						6.938					6.938	
Remarks:												

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Exhibit R-3, Project Cost Analysis
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