

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2, RDT&E Budget Item Justification					DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY /					R-1 ITEM NOMENCLATURE 0604230N Naval Support System					
BA 5										
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
Total PE Cost		5.092	2.241	2.203	2.358	1.422	1.452	1.487		16.255
3140 Sea Eagle ACTD		2.000	1.724	0.688	0.939	0.000	0.000	0.000		5.351
4011 Naval Coastal Warfare		3.092	0.517	1.515	1.419	1.422	1.452	1.487		10.904
Quantity of RDT&E Articles										
(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Naval Coastal Warfare (NCW) community consists of 22 Mobile Inshore Undersea Warfare (MIUW) units and 8 Harbor Defense Command (HDC) units operating Mobile Ashore Support Terminal IIIs (MAST IIIs). NCW also includes 14 Inshore Boat Units (IBU) comprised of 6 small craft (boats) each on which are installed C4I systems . The Mobile Inshore Undersea Warfare - System Upgrade (MIUW-SU), the primary system used by the NCW MIUW Units, is the only land-based and rapidly deployable mobile Navy system with the ability to conduct surface and subsurface surveillance in coastal and littoral areas. The system provides detailed contact information via various C4I systems to the tactical area commander based on radar, visual, thermal, electronic, and underwater acoustic sensor information. Missions supported with the MIUW-SU's are: OCONUS and INCONUS Force Protection, protecting port areas, high value assets, and surveilling the near shore areas. The MAST III is the C4ISR hub for the NCW Commander. MAST IIIs deploy to support Force Protection/Force Security Officer for Commander, Amphibious Group in its Harbor Defense and Coastal Sea Control missions. In the aftermath of the attack on USS COLE and particularly post 11 SEP, the role, structure, and utilization for the NCW program has changed appreciably and continues to evolve in the face of developing world events. However, the core competencies resident in expeditionary NCW forces to conduct surveillance, C4I and patrol/interdiction have not changed. NCW remains a specialized force constituted to accomplish specific tasks under specific conditions, but also agile enough to fill emergent and non-traditional roles. Post 11 SEP, NCW Groups and Units have been mobilized to perform force protection missions at different levels in all CinC area of responsibility (AOR)'s and within the continental United States in support of Maritime Homeland Security. This RDT&E exhibit supports the future direction of Naval Coastal Warfare as it is being determined externally by world events and internally by the progress of DoD initiatives to replace Cold War forces and capabilities with 21st century "transformational" forces and capabilities. NCW forces currently field legacy systems designed to counter more traditional military threats in a two Major Theater War scenario. Future NCW forces will develop into a highly effective, relatively low cost transformational force capable of operating anywhere in the world to perform a spectrum of force protection missions ranging from full scale port security/harbor defense operations during wartime to short duration point defense of high value units or facilities in operations other than war. This transformational force will be agile, tailorable, and scalable and will use applied technology to quickly detect, deter or interdict potential threats to DoN assets in the littoral environment. Next generation surface and subsurface surveillance systems, as well as enhanced C4I capabilities, are required to meet these operational objectives. These capabilities must be interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces. Sea Eagle is an FY05 Advanced Concept Technology Demonstration (ACTD) with USN as lead service and USSOCOM as the Combatant Command sponsor. Sea Eagle will provide integrated and enhanced technologies in order to provide persistent, clandestine, and unattended monitoring of denied and sensitive maritime, littoral, and harbor areas. These sensors and systems will be deliverable by Special Operational Forces (SOF) and networked in a multi-media (sea, air, land) system of systems approach. Sea Eagle will focus on close access networking, both wireless through air and underwater, to support networked tactical sensors. The special operations warfighter will tactically emplace Sea Eagle systems to provide targeted, tactical information that complements national and theater intelligence assets to enable a layered intelligence collection strategy.										

R-1 SHOPPING LIST - Item No. 90

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Exhibit R-2, RDTEN Budget Item Justification
(Exhibit R-2, page 1)

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EXHIBIT R-2a, RDT&E Project Justification					FY 07 DON Submission (\$M)		DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY RD TEN / BA-4		PROGRAM ELEMENT NUMBER AND NAME PE 0604230N WARFARE SUPPORT SYSTEMS				PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD			
COST (\$ in Millions)		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost		0.000	2.000	1.724	0.688	0.939	0.000	0.000	0.000
3140 Sea Eagle ACTD		0.000	2.000	1.724	0.688	0.939	0.000	0.000	0.000

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Sea Eagle is an FY05 Advanced Concept Technology Demonstration (ACTD) with USN as lead service and USSOCOM as the Combatant Command sponsor. Sea Eagle will provide integrated and enhanced technologies in order to provide persistent, clandestine, and unattended monitoring of denied and sensitive maritime, littoral, and harbor areas. These sensors and systems will be deliverable by Special Operational Forces (SOF) and networked in a multi-media (sea, air, land) system of systems approach. Sea Eagle will focus on close access networking, both wireless through air and underwater, to support networked tactical sensors. The special operations warfighter will tactically emplace Sea Eagle systems to provide targeted, tactical information that complements national and theater intelligence assets to enable a layered intelligence collection strategy.

(U) B. PROJECT UNIT EFFORT is as follows:

Demonstrates and transitions technologies to provide persistent, clandestine, unattended monitoring of maritime, littoral and harbor areas in a Special Operations Forces (SOF) deliverable "system of systems" These funds will be used to support technical downselect, systems integration, and demonstration for the first spiral of the Sea Eagle ACTD and for ongoing technical assessments of sensor and communication technologies for future spirals. The funds will support Johns Hopkins University Applied Physics Lab (the technical integrator for Sea Eagle), Operational Managers support and demonstration costs, and procurement and integration of components for the demonstrations. Systems will be demonstrated when a new capability can be demonstrated to allow an incremental transition strategy. USSOCOM is the CoCom/User Sponsor.

FY 2005 - Demonstrate an end to end systems solution. Demonstrate a land based electro-optic and infra-red sensor suite, triggered by land based triggers and from a clandestine maritime gateway device. Link land-based equipment together via a close access network. Send the output of the sensors through air via a gateway communications device to a Sea Eagle information handling server at the Mission Support Center (MSC) in Coronado, CA. Link the Sea Eagle server at the MSC to the Global Command and Control System - Maritime (GCCS-M). From the sea, demonstrate a clandestine device, perhaps a buoy, to be used as a multi-media gateway to breach the sea-air interface to communicate a trigger signal to the land based sensors. Additionally, use the gateway to trigger national technical means. Continue technical evaluation of underwater communications technologies. Transition capabilities with military utility.

FY 2006 - Demonstrate an underwater communications and close access networking capability, and communicate through the clandestine maritime device to land-based systems and/or to the MSC. Demonstrate additional communications alternatives from underwater and from land based sensors to the MSC. Develop CONOPS and TTPs. Transition capabilities with military utility. Evaluate underwater sensors for detecting maritime vessels. Evaluate alternatives for other sensor technologies such as chemical, biological, nuclear, and radiological sensors. Transition capabilities with military utility.

FY 2007 - For already demonstrated capabilities, iterate and demonstrate a second spiral with enhanced capability. Demonstrate improved networking capability. Demonstrate underwater acoustic sensors to detect and classify maritime vessels, and communicate via underwater close access network through clandestine maritime device with land based sensors and the MSC. Refine CONOPS and TTPs. Transition capabilities with military utility. Complete the Navy funded portion of the Sea Eagle ACTD.

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 2)

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<p>(U) C. PROGRAM CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: right;">FY 2005</th> <th style="text-align: right;">FY 2006</th> <th style="text-align: right;">FY 2007</th> </tr> </thead> <tbody> <tr> <td>(U) Funding:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2006 President's Budget</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> </tr> <tr> <td>FY 2007 Budget Estimate</td> <td style="text-align: right;"><u>2.000</u></td> <td style="text-align: right;"><u>1.724</u></td> <td style="text-align: right;"><u>0.688</u></td> </tr> <tr> <td>Total Adjustments</td> <td style="text-align: right;">2.000</td> <td style="text-align: right;">1.724</td> <td style="text-align: right;">0.688</td> </tr> <tr> <td colspan="4"> </td> </tr> <tr> <td>Programmatic Adjustments</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ADJ TO SEA EAGLE ACTD</td> <td style="text-align: right;"><u>2.000</u></td> <td style="text-align: right;"><u>1.724</u></td> <td style="text-align: right;"><u>0.688</u></td> </tr> <tr> <td>Total Adjustment</td> <td style="text-align: right;">2.000</td> <td style="text-align: right;">1.724</td> <td style="text-align: right;">0.688</td> </tr> </tbody> </table> <p>(U) Schedule: Not Applicable</p> <p>(U) Technical: Not Applicable</p> <p>(U) D. Other Program Funding Summary</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: right;">FY2005</th> <th style="text-align: right;">FY2006</th> <th style="text-align: right;">FY2007</th> <th style="text-align: right;">FY2008</th> <th style="text-align: right;">FY2009</th> <th style="text-align: right;">FY2010</th> <th style="text-align: right;">FY2011</th> <th style="text-align: right;">To Complete</th> <th style="text-align: right;">Total Cost</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td></td> <td></td> </tr> </tbody> </table> <p>(U) E. Acquisition Strategy:</p> <p>FY05 - Technical assessments, Spiral One technical downselect and demonstration, FY07 Technical assessments, Spiral Two technical downselect and demonstration, FY08-09 final</p>							FY 2005	FY 2006	FY 2007	(U) Funding:				FY 2006 President's Budget	0.000	0.000	0.000	FY 2007 Budget Estimate	<u>2.000</u>	<u>1.724</u>	<u>0.688</u>	Total Adjustments	2.000	1.724	0.688					Programmatic Adjustments				ADJ TO SEA EAGLE ACTD	<u>2.000</u>	<u>1.724</u>	<u>0.688</u>	Total Adjustment	2.000	1.724	0.688		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Cost		0.000	0.000	0.000	0.000	0.000	0.000	0.000		
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EXHIBIT R-2a, RDT&E Budget Item Justification		FY 07 DON Submission (\$M)		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RD TEN / BA-4	PROGRAM ELEMENT NUMBER AND NAME PE 0604230N WARFARE SUPPORT SYSTEMS		PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD	
(U) B. Accomplishments/Planned Program				
		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost		2.000	1.724	0.688
RDT&E Articles Quantity		3	2	2
<p>The Sea Eagle ACTD effort supports development of technical, programmatic and contractual documentation required for analysis of technologies and downselect, procurement of residuals, and demonstration of Sea Eagle systems.</p>				

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 4)

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY RDTE&E, N / BA-4					PROGRAM ELEMENT PE 0604230N WARFARE SUPPORT SYSTEMS					PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD					
Cost Categories		Contract Method & Type	Performing Activity & Location	Total PY s Cost		Award Date	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Technical Assessment							0.100		0.100		0.000			0.200	
Systems Engineering							0.135		0.150		0.000			0.285	
Sensor procurement							0.500		0.300		0.100			0.900	
Network integration							0.200		0.224		0.050			0.474	
Network procurement							0.200		0.250		0.100			0.550	
Training Development							0.050		0.050		0.038			0.138	
Subtotal Product Development							1.185		1.074		0.288		0.000	2.547	
Remarks: Funding required for selecting technologies to demonstrate in various ACTD spirals. Includes procurement of sensors and network components.															
Interface Definition							0.000		0.100		0.000			0.100	
Configuration Management							0.000		0.050		0.000			0.050	
Technical Data							0.050		0.050		0.050			0.150	
Subtotal Support				0.000	0.000		0.050		0.200		0.050		0.000	0.300	
Remarks: Logistics support and technical documentation generation. Includes development of interfaces and standards to support contracting and integration.															

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Exhibit R-3 Cost Analysis (page 2)								DATE: February 2006						
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4				PROGRAM ELEMENT PE 0604230N WARFARE SUPPORT SYSTEMS				PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost		Award Date	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation						0.100		0.150		0.050			0.300	
Downselect support						0.125		0.050						
Military Utility Assessment Support						0.015		0.050		0.050			0.115	
Subtotal T&E			0.000	0.000		0.240		0.250		0.100			0.590	
Remarks:														
Contractor Engineering Support						0.000							0.000	
Government Engineering Support						0.050				0.050			0.100	
University laboratory support						0.400		0.100		0.100				
Program management Support						0.050		0.050		0.050			0.150	
Travel						0.025		0.050		0.050			0.125	
Subtotal Management			0.000	0.000		0.525		0.200		0.250			0.975	
Remarks:														
Total Cost			0.000	0.000		2.000		1.724		0.688			4.412	
Remarks:														

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Exhibit R-2, RD TEN Budget Item Justification
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EXHIBIT R4, Schedule Profile																								DATE: February 2006								
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4								PROGRAM ELEMENT NUMBER AND NAME PE 0604230N WARFARE SUPPORT SYSTEMS																PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD								
Fiscal Year					2005				2006				2007				2008				2009				2010				2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Acquisition Milestones																																
Demo 1																																
Demo 2																																
Demo 3																																

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 8)

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2006			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Support System			PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare						
COST (\$ in Millions)			FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	To Complete	Total
Project Cost			3.092	0.517	1.515	1.419	1.422	1.452	1.487		10.904
RDT&E Articles Qty											
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The Naval Coastal Warfare (NCW) community consists of 22 Mobile Inshore Undersea Warfare (MIUW) units and 8 Harbor Defense Command (HDC) units operating Mobile Ashore Support Terminal IIIs (MAST iiis). NCW also includes 14 Inshore Boat Units (IBU) comprised of 6 small craft (boats) each on which are installed C4I systems .</p> <p>The Mobile Inshore Undersea Warfare - System Upgrade (MIUW-SU), the primary system used by the NCW MIUW Units, is the only land-based and rapidly deployable mobile Navy system with the ability to conduct surface and subsurface surveillance in coastal and littoral areas. The system provides detailed contact information via various C4I systems to the tactical area commander based on radar, visual, thermal, electronic, and underwater acoustic sensor information. Missions supported with the MIUW-SU's are: OCONUS and INCONUS Force Protection, protecting port areas, high value assets, and surveilling the near shore areas. The MAST III is the C4ISR hub for the NCW Commander. MAST IIIs deploy to support Force Protection/Force Security Officer for Commander, Amphibious Group in its Harbor Defense and Coastal Sea Control missions.</p> <p>In the aftermath of the attack on USS COLE and particularly post 11 SEP, the role, structure, and utilization for the NCW program has changed appreciably and continues to evolve in the face of developing world events. However, the core competencies resident in expeditionary NCW forces to conduct surveillance, C4I and patrol/interdiction have not changed. NCW remains a specialized force constituted to accomplish specific tasks under specific conditions, but also agile enough to fill emergent and non-traditional roles. Post 11 SEP, NCW Groups and Units have been mobilized to perform force protection missions at different levels in all CinC AOR's and within the continental United States in support of Maritime Homeland Security.</p> <p>This RDT&E exhibit supports the future direction of Naval Coastal Warfare as it is being determined externally by world events and internally by the progress of DoD initiatives to replace Cold War forces and capabilities with 21st century "transformational" forces and capabilities. NCW forces currently field legacy systems designed to counter more traditional military threats in a two Major Theater War scenario. Future NCW forces will develop into a highly effective, relatively low cost transformational force capable of operating anywhere in the world to perform a spectrum of force protection missions ranging from full scale port security/harbor defense operations during wartime to short duration point defense of high value units or facilities in operations other than war. This transformational force will be agile, tailorable, and scalable and will use applied technology to quickly detect, deter or interdict potential threats to DoN assets in the littoral environment. Next generation surface and subsurface surveillance systems, as well as enhanced C4I capabilities, are required to meet these operational objectives. These capabilities must be interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.</p>											

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Support System	PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare																	
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Accomplishments/Effort/Subtotal Cost		0.640	0.000	0.000															
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<div style="border: 1px solid black; padding: 5px;"> FY05: Perform systems engineering analysis and integration activities associated with development of an Integrated Anti-Diver System (IADS) for Expeditionary Harbor Defense Operations. </div>																			
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<div style="border: 1px solid black; padding: 5px;"> FY05: Begin IADS analysis, architectural design, and design review processes. Conduct requirements tractability analysis to ensure operational requirements are adequately captured in performance and design specifications. Develop IADS acquisition strategy based on requirements. Conduct Preliminary Design Review (PDR) on hardware and software components. Test a prototype IADS against operational NCW scenarios and threats. Beginning in FY05 and continuing thru FY07, NCW will seek to leverage ongoing Home Land Security (HLS)/US Coast Guard, and Navy Shipboard Protection System (SPS) efforts in diver defense, to develop an integrated anti-diver system or IADS, tailored to the expeditionary NCW harbor defense mission. Perform systems engineering analysis and integration activities associated with development of an Integrated Anti-Diver System (IADS) for Expeditionary Harbor Defense Operations. </div>																			
<div style="border: 1px solid black; padding: 5px;"> FY06: Perform systems engineering analysis and integration activities to integrate IADS into the NCW C4ISR architecture. Research and develop next generation NCW surveillance and C4I systems capabilities, to include new or improved Tactical Command and Control system, Electronic Systems Management, Anti-Submarine Warfare, Data Fusion, Autonomous Sensors, Small Craft Situational Awareness/Combat ID, improved IR cameras, auto detect and track software, and improved data recording technologies. </div>																			
<div style="border: 1px solid black; padding: 5px;"> FY07: Provide system engineering and software/system integration activities with next generation C4ISR systems and sensors with an emphasis on Undersea Warfare capabilities. </div>																			
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		FY 05	FY 06	FY 07															
Accomplishments/Effort/Subtotal Cost		0.411	0.210	0.210															
RDT&E Articles Quantity																			
<div style="border: 1px solid black; padding: 5px;"> FY05: Perform initial development testing of hardware and software components. FY06/07: Development testing of hardware and software components, with emphasis on integration of new NCW technologies into Navy and Ashore AT/FP C4ISR architecture. </div>																			

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006																																								
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Support System	PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare																																								
<p>(U) C. PROGRAM CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 45%;"></th> <th style="width: 15%; text-align: right;">FY 2005</th> <th style="width: 15%; text-align: right;">FY 2006</th> <th style="width: 15%; text-align: right;">FY 2007</th> </tr> </thead> <tbody> <tr> <td>(U) Funding:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2006 President's Budget</td> <td style="text-align: right;">5.152</td> <td style="text-align: right;">2.275</td> <td style="text-align: right;">2.285</td> </tr> <tr> <td>FY 2007 Budget Estimate</td> <td style="text-align: right;">3.092</td> <td style="text-align: right;">0.517</td> <td style="text-align: right;">1.515</td> </tr> <tr> <td>Total Adjustments</td> <td style="text-align: right; border-top: 1px solid black;">-2.060</td> <td style="text-align: right; border-top: 1px solid black;">-1.758</td> <td style="text-align: right; border-top: 1px solid black;">-0.770</td> </tr> <tr> <td colspan="4" style="padding-top: 10px;">Summary of Adjustments</td> </tr> <tr> <td>SBIR</td> <td style="text-align: right;">-0.060</td> <td></td> <td></td> </tr> <tr> <td>Program Adjustments</td> <td></td> <td></td> <td style="text-align: right;">-0.020</td> </tr> <tr> <td>Sea Eagle 3140</td> <td style="text-align: right;">-2.000</td> <td style="text-align: right;">-1.758</td> <td style="text-align: right;">-0.750</td> </tr> <tr> <td>Subtotal</td> <td style="text-align: right; border-top: 1px solid black;">-2.060</td> <td style="text-align: right; border-top: 1px solid black;">-1.758</td> <td style="text-align: right; border-top: 1px solid black;">-0.770</td> </tr> </tbody> </table> <p style="margin-top: 20px;">(U) Schedule: Not Applicable</p> <p style="margin-top: 20px;">(U) Technical: Not Applicable</p>				FY 2005	FY 2006	FY 2007	(U) Funding:				FY 2006 President's Budget	5.152	2.275	2.285	FY 2007 Budget Estimate	3.092	0.517	1.515	Total Adjustments	-2.060	-1.758	-0.770	Summary of Adjustments				SBIR	-0.060			Program Adjustments			-0.020	Sea Eagle 3140	-2.000	-1.758	-0.750	Subtotal	-2.060	-1.758	-0.770
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R-1 SHOPPING LIST - Item No. 90

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Support System		PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare			

(U) D. OTHER PROGRAM FUNDING SUMMARY:

<u>Line Item No. & Name</u>	<u>FY 2005</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>
OPN 8120 Naval Coastal Warfare	25.745	30.468	10.172	12.970	12.755	13.017	13.295
Related RDT&E:	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(U) E. ACQUISITION STRATEGY:

Not Applicable

R-1 SHOPPING LIST - Item No. 90

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CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME					
RDT&E, N / BA 5			0604230N Naval Support System				4011 Naval Coastal Warfare					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware/Software Development	WX	SSC CH/SSC SD		1.242	02/05	0.192	10/05	0.500	10/06	Continuing	Continuing	
Systems Engineering	WX	SSC CH/SSC SD		1.200	02/05	0.150	10/05	0.552	10/06	Continuing	Continuing	
Training Development	WX	SSC CH/SSC SD		0.200	02/05	0.075	10/05	0.240	10/06	Continuing	Continuing	
Subtotal Product Development			0.000	2.642		0.417		1.292		Continuing	Continuing	
Remarks:												
Technical Data	WX	SSC CH/SSC SD		0.100	02/05	0.050	10/05	0.100	10/06	Continuing	Continuing	
Subtotal Support			0.000	0.100		0.050		0.100		Continuing	Continuing	
Remarks:												

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 13)

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CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 2)								DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5			PROGRAM ELEMENT 0604230N Naval Support System			PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Program Management Support	WX	SSC CH/SSC SD		0.300	02/05			0.073	10/06	Continuing	Continuing	
Travel	Various	Various		0.050	02/05	0.050	10/05	0.050	10/06	Continuing	Continuing	
Subtotal Management			0.000	0.350		0.050		0.123		Continuing	Continuing	
Remarks:												
ILS Support												
Subtotal ILS												
Total Cost			0.000	3.092		0.517		1.515		Continuing	Continuing	
Remarks:												

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CLASSIFICATION:

EXHIBIT R4, Schedule Profile																								DATE: February 2006									
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5								PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Support System												PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare													
Fiscal Year					2005				2006				2007				2008				2009				2010				2011				
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Acquisition Milestones																																	
Engineering Milestones					▲ PDR	▲ CDR		▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR		
Prototype Phase																																	
Development																																	
Delivery																																	
Test & Evaluation Milestones						▲ DT				▲ DT				▲ DT					▲ DT					▲ DT					▲ DT				
Development Test																																	
Operational Test																																	

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 15)

CLASSIFICATION:

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 16)