

# UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification				DATE: <b>February 2007</b>				
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY /</b>				R-1 ITEM NOMENCLATURE 0604230N Naval Warfare Support System				
<b>BA 5</b>								
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	FY2012	FY2013
Total PE Cost	4.408	2.194	2.911	1.738	1.471	3.518	4.446	8.578
3140 Sea Eagle ACTD/NECC Riverine	1.716	0.685	0.944	0.000	0.000	2.014	2.914	7.018
3184 Reginal Maritime Awareness Capability (RMAC	2.168	0.000	0.540	0.303	0.000	0.000	0.000	0.000
4011 Naval Coastal Warfare	0.524	1.509	1.427	1.435	1.471	1.504	1.532	1.560

**(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 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.

Riverine Force will integrate and employ a variety of surface and air assets, special vehicles, weapons and appropriately trained personnel. Mission assets needed to support the operational capabilities will vary widely dependant on the Host Nations involved. The Riverine Squadron will deploy with inherent, but limited, force protection capabilities.

Reginal Maritime Awareness Capability (RMAC) - support GWOT by providing other USG Agencies with maritime traffic information that is not currently available. RMAC also provides enhanced regional security, safety, economic stability and environmental protection through shared maritime domain awareness (MDA).

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APPROPRIATION/BUDGET ACTIVITY <b>RD TEN /BA-5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System	PROJECT NUMBER AND NAME 3140 Sea Eagle/4011 Naval Coastal Warfare		
<b>(U) B. PROGRAM CHANGE SUMMARY:</b>				
(U) Funding:	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
President's Budget (PB-07)	2.241	2.203	2.358	1.422
FY08/09 President's Budget Submission	<u>4.408</u>	<u>2.194</u>	<u>2.911</u>	<u>1.738</u>
Total Adjustments	2.167	-0.009	0.553	0.316
Congressional Undistributed Reduction		-0.009		
Prog Adjust (Regional Maritime Awareness)	2.168		0.538	0.300
Rate Adjustments			0.015	0.016
Undistributed General Reductions	<u>-0.001</u>	_____	_____	_____
Total Adjustment	2.167	-0.009	0.553	0.316
(U) Schedule: Not Applicable				
(U) Technical: Not Applicable				

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APPROPRIATION/BUDGET ACTIVITY <b>RD TEN /BA-5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System			PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD/NECC Riverine					
COST (\$ in Millions)			FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost			<b>1.716</b>	<b>0.685</b>	<b>0.944</b>	<b>0.000</b>	<b>0.000</b>	<b>2.014</b>	<b>2.914</b>	<b>7.018</b>
RDT&E Articles Qty										

**(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.

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 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. Transition capabilities with military utility.

FY 2007/2008 - 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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**(U) B. Accomplishments/Planned Program**

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	1.716	0.685	0.944	0.000
RDT&E Articles Quantity				

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.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

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APPROPRIATION/BUDGET ACTIVITY <b>RD TEN /BA-5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System					PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD/NECC Riverine			
<b>(U) C. Other Program Funding Summary</b>	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>To Complete</b>
<b>(U) D. Acquisition Strategy:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
FY06 - Technical assessments, Spiral One technical downselect and demonstration, FY07 Technical assessments, Spiral Two technical downselect and demonstration, FY08-09 final military utility assessment.									
<b>(U) E. Performance Metrics:</b>									
<b>Field Activities &amp; Locations - Work Performed</b>									
NSWG 3 Demonstration Support									
NSWC Panama City									
SPAWAR San Diego									
<b>Contractors &amp; Locations - Work Performed</b>									
TBD									
<b>Universities &amp; Locations - Work Performed</b>									
JHU Applied Physics Lab                      Technical assessment, systems engineering									

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Exhibit R-3 Cost Analysis (page 2)								DATE: <b>February 2007</b>						
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
<b>RD TEN /BA-5</b>				0604230N Naval Warfare Support System				3140 Sea Eagle ACTD						
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
Technical Assessment				0.100		0.000		0.054					0.154	
Systems Engineering				0.150		0.000		0.080					0.230	
Sensor procurement				0.300		0.100		0.161					0.561	
Network integration				0.224		0.050		0.120					0.394	
Network procurement				0.250		0.100		0.135					0.485	
Training Development				0.050		0.035		0.035					0.120	
<b>Subtotal Product Development</b>				<b>1.074</b>		<b>0.285</b>		<b>0.585</b>		<b>0.000</b>		<b>0.000</b>	<b>1.944</b>	
.Remarks: Funding required for selecting technologies to demonstrate in various ACTD spirals. Includes procurement of sensors and network components														
Interface Definition				0.100		0.000		0.000					0.100	
Configuration Management				0.050		0.000		0.000					0.050	
Technical Data				0.050		0.050		0.109					0.209	
<b>Subtotal Support</b>			<b>0.000</b>	<b>0.200</b>		<b>0.050</b>		<b>0.109</b>		<b>0.000</b>		<b>0.000</b>	<b>0.359</b>	
.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: <b>February 2007</b>						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NUMBER AND NAME						
<b>RD TEN /BA-5</b>			0604230N Naval Warfare Support System					3140 Sea Eagle ACTD						
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				0.176		0.050		0.072					0.298	
Downselect support				0.016		0.000		0.000					0.016	
Military Utility Assessment Support				0.050		0.050		0.070					0.170	
<b>Subtotal T&amp;E</b>			0.000	0.242		0.100		0.142		0.000			0.484	
:Remarks														
Contractor Engineering Support				0.000		0.000		0.000					0.000	
Government Engineering Support				0.000		0.050		0.020					0.070	
University laboratory support				0.100		0.100		0.040					0.240	
Program management Support				0.050		0.050		0.020					0.120	
Travel				0.050		0.050		0.028					0.128	
<b>Subtotal Management</b>			0.000	0.200		0.250		0.108		0.000			0.558	
:Remarks														
<b>Total Cost</b>			0.000	1.716		0.685		0.944		0.000			3.345	
Remarks:														

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EXHIBIT R4, Schedule Profile																								DATE: <b>February 2007</b>								
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN /BA-5</b>								PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System								PROJECT NUMBER AND NAME 3140 Sea Eagle ACTD																
Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013			
	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	1	2	3	4
<b>Acquisition Milestones</b>																																
Demo 1		△																														
Demo 2						△																										
Demo 3												△																				

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Exhibit R-2, RD TEN Budget Item Justification



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EXHIBIT R-2a, RDT&E Project Justification								DATE: <b>February 2007</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RD TEN /BA-5      BA 5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System				PROJECT NUMBER AND NAME 3184 Regional Maritime Awareness Capability (RMAC)				
COST (\$ in Millions)			FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost			<b>2.168</b>	<b>0.000</b>	<b>0.540</b>	<b>0.303</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
RDT&E Articles Qty										

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

Regional Maritime Awareness Capability (RMAC) - support GWOT by providing other USG Agencies with maritime traffic information that is not currently available. RMAC also provides enhanced regional security, safety, economic stability and environmental protection through shared maritime domain awareness (MDA). Capabilities include the ability to detect, track, identify and display information on a cooperative and non-cooperative surface vessels to enable maritime security operations.

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EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System	PROJECT NUMBER AND NAME 3184 Regional Maritime Awareness Capability (RMAC)
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**(U) B. Accomplishments/Planned Program**

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	2.168	0.000	0.540	0.303
RDT&E Articles Quantity				

**FY06/08/09:** develop an increased Maritime Domain Awareness through improved integration with interagency and international partners. Funding will provide site survey participation in Nigeria.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System	PROJECT NUMBER AND NAME 3184 Regional Maritime Awareness Capability (RMAC)

**(U) D. OTHER PROGRAM FUNDING SUMMARY:**

<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>
Related RDT&E:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**(U) E. ACQUISITION STRATEGY:**

Not Applicable

**(U) F. Major Performers:**

NUWC Keyport These activities perform systems analysis and integration activities associated with site survey.

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Exhibit R-3 Cost Analysis (page 1)											DATE: <b>February 2007</b>			
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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
Development	WX	NUWC Keyport		1.793	07/06			0.540	10/07	0.303	10/08	Continuing	Continuing	
Development	WX	NAVAIR		0.375	08/06									
Subtotal Product Development			0.000	2.168		0.000		0.540		0.303		Continuing	Continuing	
Remarks:														
Technical Data														
Technical Data														
Subtotal Support			0.000	0.000		0.000		0.000		0.000				
Remarks:														

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Exhibit R-3 Cost Analysis (page 2)											DATE: <b>February 2007</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RD&amp;E, N / BA 5</b>			PROGRAM ELEMENT 0604230N Naval Warfare Support System				PROJECT NUMBER AND NAME 3184 Regional Maritime Awareness Capability (RMAC)							
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
Program Management Support														
Travel														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		Continuing	Continuing	
Remarks:														
ILS Support														
Subtotal ILS														
Total Cost			0.000	2.168		0.000		0.540		0.303		Continuing	Continuing	
Remarks:														

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RDT&E Articles Qty										

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

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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 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.

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

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.306	1.305	1.221	1.170
RDT&E Articles Quantity				

**FY06:** Continue 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.

**FY07:** 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.

**FY08/09:** Provide system engineering and software/system integration activities with next generation C4ISR systems and sensors with an emphasis on Undersea Warfare capabilities.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.218	0.204	0.206	0.265
RDT&E Articles Quantity				

**FY06:** Perform initial development testing of hardware and software components.

**FY07/08/09:** Development testing of hardware and software components, with emphasis on integration of new NCW technologies into Navy and Ashore AT/FP C4ISR architecture.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	0.000	0.000
RDT&E Articles Quantity				

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System	PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare

**(U) D. OTHER PROGRAM FUNDING SUMMARY:**

<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>
OPN 8120 Naval Coastal Warfare	30.604	10.145	13.895	13.706	15.661	16.319	18.097	18.185
Related RDT&E:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**(U) E. ACQUISITION STRATEGY:**

Not Applicable

**(U) F. Major Performers:**

SSC San Diego and SSC Charleston are the major performers. These activities perform systems engineering analysis and integration activities associated with next generation surveillance and C4I systems with focus on integration of existing joint, service, and non – DoD systems. SSC San Diego is the primary integrator for software and COTS/GOTS equipment.

**UNCLASSIFIED**

**CLASSIFICATION:**

Exhibit R-3 Cost Analysis (page 1)											DATE: <b>February 2007</b>			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME							
<b>RDT&amp;E, N / BA 5</b>			0604230N Naval Warfare Support System				4011 Naval Coastal Warfare							
Cost Categories	Contract Method & Type	Performing Activity & Location	Total P Y 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
Hardware/Software Development	PD	SSC CH/SSC SD		0.100	10/05	0.500	10/06	0.750	10/07	0.756	10/08	Continuing	Continuing	
Systems Engineering	PD	SSC CH/SSC SD		0.100	10/05	0.552	10/06	0.500	10/07	0.510	10/08	Continuing	Continuing	
Training Development	WX	SSC CH/SSC SD				0.240	10/06		10/07	0.050	10/08	Continuing	Continuing	
Test Integration	WX	Keyport		0.149	11/06									
Subtotal Product Development			0.000	0.349		1.292		1.250		1.316		Continuing	Continuing	
Remarks:														
Technical Data	WX	SSC CH/SSC SD				0.100	10/06	0.100	10/07	0.050	10/08	Continuing	Continuing	
Technical Data	MIPR	Coast Guard		0.175	02/06									
Subtotal Support			0.000	0.175		0.100		0.100		0.050		Continuing	Continuing	
Remarks:														

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**CLASSIFICATION:**

Exhibit R-3 Cost Analysis (page 2)											DATE: <b>February 2007</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDTE&amp;E, N / BA 5</b>			PROGRAM ELEMENT 0604230N Naval Warfare Support System				PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare							
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
Program Management Support	WX	SSC CH/SSC SD				0.073	10/06	0.044	10/07	0.032	10/08	Continuing	Continuing	
Travel	Various	Various				0.044	10/06	0.033	10/07	0.037	10/08	Continuing	Continuing	
Subtotal Management			0.000	0.000		0.117		0.077		0.069		Continuing	Continuing	
Remarks:														
ILS Support														
Subtotal ILS														
Total Cost			0.000	0.524		1.509		1.427		1.435		Continuing	Continuing	
Remarks:														

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# UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R4, Schedule Profile																								DATE: <b>February 2007</b>								
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>										PROGRAM ELEMENT NUMBER AND NAME 0604230N Naval Warfare Support System										PROJECT NUMBER AND NAME 4011 Naval Coastal Warfare												
Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013			
	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	1	2	3	4
<b>Acquisition NCW Milestones</b>				ICD ▲				CDD ▲																								
Engineering Milestones	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR	▲ PDR			▲ CDR				
Prototype Phase																																
Development																																
Delivery																																
<b>Test &amp; Evaluation Milestones</b>			▲				▲				▲				▲				▲				▲				▲				▲	
Development Test			DT				DT				DT				DT				DT				DT				DT				DT	
Operational Test																																

